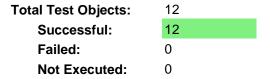
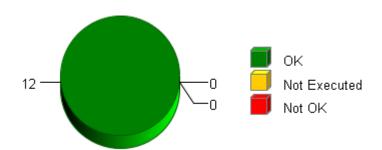


#### Summary

#### Overall Test Object Results (including Coverage)



**Date:** 2016-07-24 **Time:** 12:54:17+0530



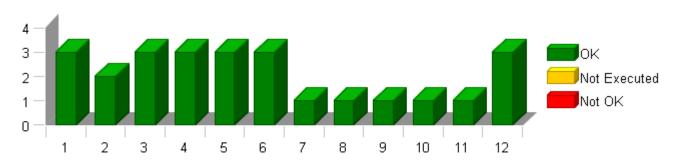
### **Selected Project Items**

Test Object "CBD\_UnitTest/CmMtrCurr\_MTRCURRPHASEAC\_ON/CmMtrCurr\_Init"
Test Object "CBD\_UnitTest/CmMtrCurr\_MTRCURRPHASEAC\_ON/CmMtrCurr\_Per1"
Test Object "CBD\_UnitTest/CmMtrCurr\_MTRCURRPHASEAC\_ON/CmMtrCurr\_Per2"
Test Object "CBD\_UnitTest/CmMtrCurr\_MTRCURRPHASEAC\_ON/CmMtrCurr\_Per3"
Test Object "CBD\_UnitTest/CmMtrCurr\_MTRCURRPHASEAC\_ON/CmMtrCurr\_SCom\_CalGain"
Test Object "CBD\_UnitTest/CmMtrCurr\_MTRCURRPHASEAC\_ON/CmMtrCurr\_SCom\_CalOffset"
Test Object "CBD\_UnitTest/CmMtrCurr\_MTRCURRPHASEAC\_ON/CmMtrCurr\_SCom\_MtrCurrOffReadStatus"
Test Object "CBD\_UnitTest/CmMtrCurr\_MTRCURRPHASEAC\_ON/CmMtrCurr\_SCom\_ReadMtrCurrCals"
Test Object "CBD\_UnitTest/CmMtrCurr\_MTRCURRPHASEAC\_ON/CmMtrCurr\_SCom\_SetMtrCurrCals"
Test Object "CBD\_UnitTest/CmMtrCurr\_MTRCURRPHASEAC\_ON/CmMtrCurr\_TempOffset\_Scom\_Get"
Test Object "CBD\_UnitTest/CmMtrCurr\_MTRCURRPHASEAC\_ON/CmMtrCurrTempOffset\_Scom\_Set"
Test Object "CBD\_UnitTest/CmMtrCurr\_MTRCURRPHASEAC\_ON/CmMtrCurrTempOffset\_Scom\_Set"
Test Object "CBD\_UnitTest/CmMtrCurr\_MTRCURRPHASEAC\_ON/CmMtrCurrTempOffset\_Scom\_Set"
Test Object "CBD\_UnitTest/CmMtrCurr\_MTRCURRPHASEAC\_ON/CurrDQPer1"

#### **Used Test Environments**

TI TMS 570 PLS UDE (Default)

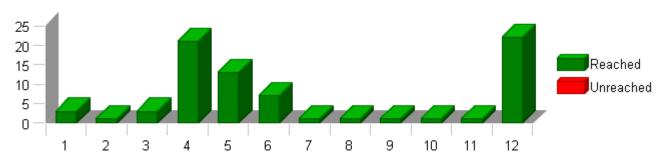
#### Test Case Results for Each Test Object (without Coverage)



The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object are passed in this table but the coverage is failed, the overall test object result will be failed).

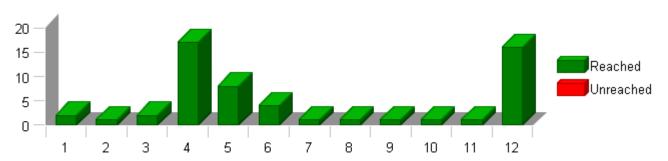


### Statement (C0) Coverage: Total Statements for Each Test Object



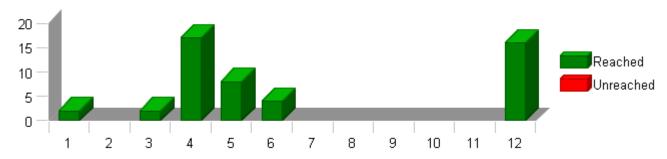
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

### Branch (C1) Coverage: Total Branches for Each Test Object



The table above shows each test object on the x axis and the number of branches of the respective test object on the y axis. Each bar is divided into reached branches (i.e. branches that have been executed during the test) and unreached branches.

### **Decision Coverage: Total Decision Outcomes for Each Test Object**

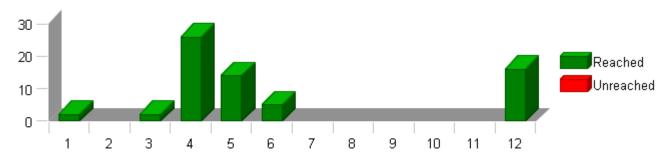


The table above shows test objects on the x axis and the number of possible outcomes of all decisions of the respective test object on the y axis. To achieve full DC coverage, each decision must evaluate to both true and false.

Each bar is divided into reached and unreached decision outcomes.



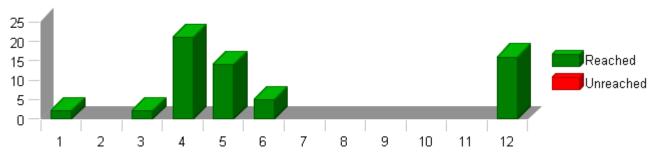
### MC/DC Coverage: Total Condition Combinations for Each Test Object



The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MC/DC coverage, each decision requires all contained atomic conditions to evaluate to both true and false independently of all other conditions. The cumulated number of rows within such tables of condition combinations is what is displayed in this table.

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.

#### MCC Coverage: Total Condition Combinations for Each Test Object



The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MCC coverage, each decision requires all contained atomic conditions to evaluate to all possible combinations of true and false values. The cumulated number of rows within such tables of condition combinations is what is displayed in this table.

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.

#### **TEST OVERVIEW REPORT**

2016-07-24, 12:54:17+0530



Project CmMtrCurr1

### **Test Object List**

The following table lists all test objects with their test case and coverage results. The cumulated results for modules, folders and test collections are also displayed, the indentation within the name column indicates the parent relationship of the elements.

Please note that only test objects are numbered within the first column. This number is referenced on the x axis within the overview charts for test case and coverage results available on previous pages (if included into the report).

| No. | Name                                | C0    | <b>C</b> 1 | DC    | MC/DC | мсс   | Test Cases Result |
|-----|-------------------------------------|-------|------------|-------|-------|-------|-------------------|
|     | CmMtrCurr1                          | 100 % | 100 %      | 100 % | 100 % | 100 % | 25 of 25 passed 💌 |
|     | CBD_UnitTest                        | 100 % | 100 %      | 100 % | 100 % | 100 % | 25 of 25 passed   |
|     | CmMtrCurr_MTRCURRPHASEAC_ON         | 100 % | 100 %      | 100 % | 100 % | 100 % | 25 of 25 passed   |
| 1   | CmMtrCurr_Init                      | 100 % | 100 %      | 100 % | 100 % | 100 % | 3 of 3 passed     |
| 2   | CmMtrCurr_Per1                      | 100 % | 100 %      | -     | -     | -     | 2 of 2 passed     |
| 3   | CmMtrCurr_Per2                      | 100 % | 100 %      | 100 % | 100 % | 100 % | 3 of 3 passed     |
| 4   | CmMtrCurr Per3                      | 100 % | 100 %      | 100 % | 100 % | 100 % | 3 of 3 passed     |
| 5   | CmMtrCurr SCom CalGain              | 100 % | 100 %      | 100 % | 100 % | 100 % | 3 of 3 passed     |
| 6   | CmMtrCurr SCom CalOffset            | 100 % | 100 %      | 100 % | 100 % | 100 % | 3 of 3 passed     |
| 7   | CmMtrCurr_SCom_MtrCurrOffReadStatus | 100 % | 100 %      | -     | -     | -     | 1 of 1 passed     |
| 8   | CmMtrCurr_SCom_ReadMtrCurrCals      | 100 % | 100 %      | -     | -     | -     | 1 of 1 passed     |
| 9   | CmMtrCurr SCom SetMtrCurrCals       | 100 % | 100 %      | -     | -     | -     | 1 of 1 passed     |
| 10  | CmMtrCurrTempOffset Scom Get        | 100 % | 100 %      | -     | -     | -     | 1 of 1 passed     |
| 11  | CmMtrCurrTempOffset Scom Set        | 100 % | 100 %      | -     | -     | -     | 1 of 1 passed     |
| 12  | <u>CurrDQPer1</u>                   | 100 % | 100 %      | 100 % | 100 % | 100 % | 3 of 3 passed     |

© Report created by TESSY V3.1.13, report template V2.0

2016-07-24, 12:40:56+0530



CmMtrCurr\_Per3

Project CmMtrCurr1

Module CmMtrCurr\_MTRCURRPHASEAC\_ON

Test Object CmMtrCurr\_Per3

#### Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|-------------------------|-------|
| Decision Coverage       | 100 % |
| Branch (C1) Coverage    | 100 % |
| MCC Coverage            | 100 % |
| MC/DC Coverage          | 100 % |

#### **Statistics**

| Total Testcases | 3 |   |
|-----------------|---|---|
| Successful      | 3 | ~ |
| Failed          | 0 |   |
| Not Executed    | 0 |   |

#### **Module Properties**

| Project Root Directory | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP                                                                                                                                                                                                                                                                               |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Configuration File     | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config<br>\TMS570_GCC_UDE_CCS4_Config.xml                                                                                                                                                                                                                         |
| Target Environment     | TI TMS 570 PLS UDE (Default)                                                                                                                                                                                                                                                                                                   |
| Kind of Test           | Unit Test                                                                                                                                                                                                                                                                                                                      |
| Linker Options         |                                                                                                                                                                                                                                                                                                                                |
| Source File(s)         |                                                                                                                                                                                                                                                                                                                                |
| File                   | \$(PROJECTROOT)\CmMtrCurr\src\Sa_CmMtrCurr.c                                                                                                                                                                                                                                                                                   |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -l\$(PROJECTROOT)\CmMtrCurr\utp\contract -l\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -l\$(PROJECTROOT)\CmMtrCurr\include -l\$(PROJECTROOT)\NxtrLib\include -l\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include                                  |
| File                   | \$(PROJECTROOT)\NxtrLib\src\interpolation.c                                                                                                                                                                                                                                                                                    |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include |

| Comments/Description/Spo | ecification |
|--------------------------|-------------|
| Name                     | Text        |



Module 'CmMtrCurr MTRCURRPHASEAC ON 

Name of Tester:Chandrakanth Sheegi Code File(s) Under Test:Sa\_CmMtrCurr.c Code File(s) Version:2

Code File(s) Version:2
Module Design Document: CmMtrCurr\_MDD.docx
Module Design Document Version:2
Data Dictionary Version:2
Unit Test Plan Version:2
Optimization Level: Level 2
Compiler (CodeGen) Version:TMS470\_4.9.5
Model Type: Excel Macro
Model Version: Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.32
Total FLASH Used (Bytes):3176
Total RAM Used (Bytes):130
Total CALS Used (Bytes):46
Special Test Requirements:NA
Test Date: 7/23/2016

Test Date:7/23/2016
Comments:
"Note1: Inline functions defined in globalmacro.h are not unit tested.

Note2:- ""CBD\_Sandbox\_dbg.map"" map file is embedded for reference.

Note3:-In function ""CmMtrCurr\_Per3"" some variables are going out of range for some vectors,accepted by devloper variables are :-MtrCurr2SumHi\_Volt\_M\_f32 , VecuSum\_Volt\_M\_f32 , MtrCurr1SumLo\_Volt\_M\_f32, MtrCurr2SumLo\_Volt\_M\_f32, MtrCurr1SumZero\_Volt\_M\_f32,MtrCurr2SumZero\_Volt\_M\_f32, CmMtrCurr\_CurrOffAvgCounter\_Cnt\_M\_u16 .

Note4:-In function CurrDQPer1(), variables 'MtrCurrK1\_Amps\_f32' and 'MtrCurrK2\_Amps\_f32' are going to very large values."

| Attributes            |                                                                                          |  |  |  |
|-----------------------|------------------------------------------------------------------------------------------|--|--|--|
| Name                  | Value                                                                                    |  |  |  |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5                     |  |  |  |
| Float Precision       | 9                                                                                        |  |  |  |
| InitObjDir            | \$(PROJECTROOT)\UnitTestEnv\static_build_files\obj                                       |  |  |  |
| InitSrcDir            | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                                       |  |  |  |
| Linker File           | \$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd                              |  |  |  |
| Makefile Template     | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_Ps.tpl                  |  |  |  |
| Target Install Path   | \$(ProgramFiles)\pls\UDE 4.4                                                             |  |  |  |
| Time Unit             | cycles                                                                                   |  |  |  |
| Timer Enabled         | false                                                                                    |  |  |  |
| Timer Prescale        | 0                                                                                        |  |  |  |
| Timer Resolution      | 1                                                                                        |  |  |  |
| UDE Config File       | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                             |  |  |  |
| Workspace File        | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |  |  |  |



#### **Test Case 1: Metrics Test**

Specification

Performance Metrics : [With "None" Instrumentation and WithPS Environment]

TC1.1 1141.00 Cycles TC1.2 1406.00 Cycles

#### Description

VECTOR DESCRIPTION:

TS1.1 Shortest Execution Path==> ( CmMtrCurr\_CurrOffTrimFlag\_Cnt\_M\_lgc == TRUE ) = False
TS1.2 "Longest Execution Path==> ( CmMtrCurr\_CurrOffTrimFlag\_Cnt\_M\_lgc == TRUE ) = True;
(Abs\_f32\_m(MtrVel\_MtrRadpS\_T\_f32) < k\_MaxCurrOffMtrVel\_RadpS\_f32) = True && (VehSpd\_Kph\_T\_f32 < FLT\_EPSILON) = True &&
(VhSpdValid\_Cnt\_T\_lgc == TRUE) = True;
switch(CmMtrCurr\_CurrOffState\_Uls\_M\_enum) = CURROFF\_CALC;
(CmMtrCurr\_MtrCurr1OffsetLo\_Volt\_M\_f32 >= k\_MtrCurrEOLMinOffset\_Volts\_f32) = True &&
(CmMtrCurr\_MtrCurr1OffsetLo\_Volt\_M\_f32 <= k\_MtrCurrEOLMaxOffset\_Volts\_f32) = True &&
(CmMtrCurr\_MtrCurr2OffsetLo\_Volt\_M\_f32 >= k\_MtrCurrEOLMaxOffset\_Volts\_f32) = True &&
(CmMtrCurr\_MtrCurr2OffsetLo\_Volt\_M\_f32 <= k\_MtrCurrEOLMaxOffset\_Volts\_f32) = True &&
(CmMtrCurr\_MtrCurr1OffsetHi\_Volt\_M\_f32 >= k\_MtrCurrEOLMaxOffset\_Volts\_f32) = True &&
(CmMtrCurr\_MtrCurr1OffsetHi\_Volt\_M\_f32 <= k\_MtrCurrEOLMaxOffset\_Volts\_f32) = True &&
(CmMtrCurr\_MtrCurr2OffsetHi\_Volt\_M\_f32 <= k\_MtrCurrEOLMaxOffset\_Volts\_f32) = True &&
(CmMtrCurr\_MtrCurr2OffsetHi\_Volt\_M\_f32 <= k\_MtrCurrEOLMinOffset\_Volts\_f32) = True &&
(CmMtrCurr\_MtrCurr2OffsetHi\_Volt\_M\_f32 <= k\_MtrCurrEOLMaxOffset\_Volts\_f32) = True &&
(CmMtrCurr\_MtrCurr2OffsetHi\_Volt\_M\_f3

| Imme  ImmtrCurr_CurrOffAvgCounter_Cnt_M_u16 ImmtrCurr_CurrOffState_Uls_M_enum ImmtrCurr_CurrOffTrimFlag_Cnt_M_lgc ImmtrCurr_CurroffProcessFlag_M_enum ImmtrCurr_MtrCurr1OffsetHi_Volt_M_f32 ImmtrCurr_MtrCurr1OffsetLo_Volt_M_f32 ImmtrCurr_MtrCurr1OffsetZero_Volt_M_f32 ImmtrCurr_MtrCurr1OffsetZero_Volt_M_f32 ImmtrCurr_MtrCurr1SumHi_Volt_M_f32 ImmtrCurr_MtrCurr1SumLo_Volt_M_f32 ImmtrCurr_MtrCurr1SumLo_Volt_M_f32 ImmtrCurr_MtrCurr1SumLo_Volt_M_f32 ImmtrCurr_MtrCurr1SumLo_Volt_M_f32 ImmtrCurr_MtrCurr1SumZero_Volt_M_f32 ImmtrCurr_MtrCurr1SumZero_Volt_M_f32 | Input Value  5 CURROFF_HIAVERAGE  0 3 1.03384912 3 3 2.09357047 1.0530895 3 |                |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------|--------|
| cmMtrCurr_CurrOffState_Uls_M_enum cmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc cmMtrCurr_CurroffProcessFlag_M_enum cmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 cmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 cmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 cmMtrCurr_MtrCurr1SumHi_Volt_M_f32 cmMtrCurr_MtrCurr1SumHi_Volt_M_f32 cmMtrCurr_MtrCurr1SumLo_Volt_M_f32 cmMtrCurr_MtrCurr1SumLo_Volt_M_f32 cmMtrCurr_MtrCurr1SumLo_Volt_M_f32 cmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                                          | CURROFF_HIAVERAGE 0 3 1.03384912 3 3 2.09357047 1.0530895                   |                |        |
| cmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc cmMtrCurr_CurroffProcessFlag_M_enum cmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 cmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 cmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 cmMtrCurr_MtrCurr1SumHi_Volt_M_f32 cmMtrCurr_MtrCurr1SumHo_Volt_M_f32 cmMtrCurr_MtrCurr1SumLo_Volt_M_f32 cmMtrCurr_MtrCurr1SumLo_Volt_M_f32 cmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                                                                                                               | 0<br>3<br>1.03384912<br>3<br>3<br>2.09357047<br>1.0530895                   |                |        |
| cmMtrCurr_CurroffProcessFlag_M_enum cmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 cmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 cmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 cmMtrCurr_MtrCurr1SumHi_Volt_M_f32 cmMtrCurr_MtrCurr1SumHo_Volt_M_f32 cmMtrCurr_MtrCurr1SumLo_Volt_M_f32 cmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                                                                                                                                                                                      | 3<br>1.03384912<br>3<br>3<br>2.09357047<br>1.0530895                        |                |        |
| cmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 cmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 cmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 cmMtrCurr_MtrCurr1SumHi_Volt_M_f32 cmMtrCurr_MtrCurr1SumLo_Volt_M_f32 cmMtrCurr_MtrCurr1SumLo_Volt_M_f32 cmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                                                                                                                                                                                                                          | 1.03384912<br>3<br>3<br>2.09357047<br>1.0530895                             |                |        |
| cmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32<br>cmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32<br>cmMtrCurr_MtrCurr1SumHi_Volt_M_f32<br>cmMtrCurr_MtrCurr1SumLo_Volt_M_f32<br>cmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                       | 3<br>3<br>2.09357047<br>1.0530895                                           |                |        |
| cmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32<br>cmMtrCurr_MtrCurr1SumHi_Volt_M_f32<br>cmMtrCurr_MtrCurr1SumLo_Volt_M_f32<br>cmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                | 3<br>2.09357047<br>1.0530895                                                |                |        |
| cmMtrCurr_MtrCurr1SumHi_Volt_M_f32<br>cmMtrCurr_MtrCurr1SumLo_Volt_M_f32<br>cmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2.09357047<br>1.0530895                                                     |                |        |
| cmMtrCurr_MtrCurr1SumLo_Volt_M_f32<br>cmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.0530895                                                                   |                |        |
| mMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                             |                |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                                                                           |                |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                             |                |        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2.72687054                                                                  |                |        |
| mMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1.30570102                                                                  |                |        |
| mMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3                                                                           |                |        |
| mMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.1556983                                                                   |                |        |
| :mMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2.97496986                                                                  |                |        |
| :mMtrCurr MtrCurr2SumZero Volt M f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2.12170625                                                                  |                |        |
| :mMtrCurr MtrCurrValCmd VoltCnt M f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 31777.1211                                                                  |                |        |
| :mMtrCurr VecuSum Volt M f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0                                                                           |                |        |
| tte Inst Sa CmMtrCurr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | tgt_Rte_Inst_Sa_CmMtrCurr                                                   |                |        |
| CurrOffNoofAvg Cnt u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 12                                                                          |                |        |
| MaxCurrOffMtrVel_RadpS_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 17.3677788                                                                  |                |        |
| MtrCurrEOLMaxOffset Volts f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3                                                                           |                |        |
| MtrCurrEOLMinOffset Volts f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3                                                                           |                |        |
| MtrCurrOffLoComOff Cnt u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 562                                                                         |                |        |
| <br>pt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3                                                                           |                |        |
| at CmMtrCurr Per3 ADCMtrCurr2 Volts f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3                                                                           |                |        |
| at CmMtrCurr Per3 MtrVel MtrRadpS f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -576.014526                                                                 |                |        |
| at CmMtrCurr Per3 Vecu Volt f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 15.9636936                                                                  |                |        |
| pt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 124.059662                                                                  |                |        |
| gt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1                                                                           |                |        |
| at Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 78596.2422                                                                  |                |        |
| at Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1.66544139                                                                  |                |        |
| at Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1.41828871                                                                  |                |        |
| pt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2.1423645                                                                   |                |        |
| pt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1.47283912                                                                  |                |        |
| at Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr1 Volts f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f                                      | 32             |        |
| at Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f                                      |                |        |
| at Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | tgt CmMtrCurr Per3 ComOffset Cnt u16                                        |                |        |
| at Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | tgt CmMtrCurr Per3 MtrVel MtrRadpS f32                                      | 2              |        |
| at Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 Vecu Volt f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | tgt CmMtrCurr Per3 Vecu Volt f32                                            |                |        |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32                                           |                |        |
| pt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VhSpdValid Cnt Igc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | tgt CmMtrCurr Per3 VhSpdValid Cnt lgc                                       |                |        |
| pt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | tgt_Pim_ShCurrCal                                                           |                |        |
| lame                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Actual Value                                                                | Expected Value | Result |

| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 | 5                 | 5 ± 1               | ~ |
|---------------------------------------|-------------------|---------------------|---|
| CmMtrCurr_CurrOffState_Uls_M_enum     | CURROFF_INTIALISE | CURROFF_INTIALISE   | ~ |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc   | 0                 | 0                   | ~ |
| CmMtrCurr_CurroffProcessFlag_M_enum   | 3                 | 3                   | ~ |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 | 1.03384912        | 1.03384912 ± 0.0003 | ~ |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 | 3                 | 3 ± 0.0003          | ~ |

2016-07-24, 12:40:56+0530



CmMtrCurr\_Per3

| Name                                              | Actual Value | Expected Value      | Result   |
|---------------------------------------------------|--------------|---------------------|----------|
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 3            | 3 ± 0.0003          | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 2.09357047   | 2.09357047 ± 0.0003 | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 1.0530895    | 1.0530895 ± 0.0003  | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 3            | 3 ± 0.0003          | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 2.72687054   | 2.72687054 ± 0.0003 | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 1.30570102   | 1.30570102 ± 0.0003 | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 3            | 3 ± 0.0003          | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 1.1556983    | 1.1556983 ± 0.0003  | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 2.97496986   | 2.97496986 ± 0.0003 | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 2.12170625   | 2.12170625 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 31777.1211   | 31777.1211 ± 0.001  | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 0            | 0 ± 0.0009765625    | ✓        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0            | 0 ± 1               | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 78596.2422   | 78596.2422 ± 0.004  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.66544139   | 1.66544139 ± 0.0003 | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.41828871   | 1.41828871 ± 0.0003 | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.1423645    | 2.1423645 ± 0.0003  | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.47283912   | 1.47283912 ± 0.0003 | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |



| Test Step 1.2 (Repeat Count = 1)                                                                                                 |                                                                |                                                 | <b>✓</b> |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------|----------|
| Name                                                                                                                             | Input Value                                                    |                                                 |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                            | 6                                                              |                                                 |          |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                                | CURROFF_CALC                                                   |                                                 |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                              | 1                                                              |                                                 |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                              | 2                                                              |                                                 |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                            | 2.06366134                                                     |                                                 |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                            | 2.06732988                                                     |                                                 |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                          | 3                                                              |                                                 |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                               | 3                                                              |                                                 |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                               | 1.25479567                                                     |                                                 |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                             | 1.65685463                                                     |                                                 |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                            | 3                                                              |                                                 |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                            | 2                                                              |                                                 |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                          | 3<br>2.04112172                                                |                                                 |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr MtrCurr2SumLo Volt M f32                                                            | 2.83894515                                                     |                                                 |          |
| CmMtrCurr MtrCurr2SumZero Volt M f32                                                                                             | 1.99014759                                                     |                                                 |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                            | 23218.2402                                                     |                                                 |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                                                                                     | 18.0116081                                                     |                                                 |          |
| Rte_Inst_Sa_CmMtrCurr                                                                                                            | tgt_Rte_Inst_Sa_CmMtrCurr                                      |                                                 |          |
| k_CurrOffNoofAvg_Cnt_u16                                                                                                         | 7                                                              |                                                 |          |
| k_MaxCurrOffMtrVel_RadpS_f32                                                                                                     | 12.5231485                                                     |                                                 |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                                                                                  | 2.70000005                                                     |                                                 |          |
| k_MtrCurrEOLMinOffset_Volts_f32                                                                                                  | 1.74270165                                                     |                                                 |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                                                                                     | 500                                                            |                                                 |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                                                                                   | 2                                                              |                                                 |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                                                                                   | 3                                                              |                                                 |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                                                                                     | 12                                                             |                                                 |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                                                                           | 18.9864292                                                     |                                                 |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                                                                          | 1.72093007e-008                                                |                                                 |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                                                                                      | 1                                                              |                                                 |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                                 | 56567.5313                                                     |                                                 |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                                                                  | 1.91152203                                                     |                                                 |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                                                                  | 3                                                              |                                                 |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                                                | 3                                                              |                                                 |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                                                                | 1.30852175                                                     | 1 Volto (22                                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32<br>tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr<br>tgt_CmMtrCurr_Per3_ADCMtrCurr |                                                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                       | tgt_CmMtrCurr_Per3_ComOffset_0                                 |                                                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32                                                                     | tgt_CmMtrCurr_Per3_MtrVel_MtrR                                 | _                                               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32                                                                           | tgt_CmMtrCurr_Per3_Vecu_Volt_f3                                |                                                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32                                                                          | tgt_CmMtrCurr_Per3_VehSpd_Kph                                  |                                                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc                                                                      | tgt_CmMtrCurr_Per3_VhSpdValid_                                 |                                                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                                                                          | tgt_Pim_ShCurrCal                                              |                                                 |          |
| Name                                                                                                                             | Actual Value                                                   | Expected Value                                  | Result   |
| CmMtrCurr CurrOffAvgCounter Cnt M u16                                                                                            | 6                                                              | 6 ± 1                                           | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                                | CURROFF_INTIALISE                                              | CURROFF_INTIALISE                               | •        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                              | 0                                                              | 0                                               | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                              | 3                                                              | 3                                               | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                            | 2.06366134                                                     | 2.06366134 ± 0.0003                             | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                            | 2.06732988                                                     | 2.06732988 ± 0.0003                             | •        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                          | 3                                                              | 3 ± 0.0003                                      | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                               | 3                                                              | 3 ± 0.0003                                      | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                               | 1.25479567                                                     | 1.25479567 ± 0.0003                             | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                             | 1.65685463                                                     | 1.65685463 ± 0.0003                             | <b>V</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                            | 3                                                              | 3 ± 0.0003                                      | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                            | 2                                                              | 2 ± 0.0003                                      | <b>~</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                          | 3                                                              | 3 ± 0.0003                                      | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                               | 2.04112172                                                     | 2.04112172 ± 0.0003                             | <b>Y</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                               | 2.83894515                                                     | 2.83894515 ± 0.0003                             | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr MtrCurrValCmd VoltCnt M f32                                                       | 1.99014759<br>23218.2402                                       | 1.99014759 ± 0.0003<br>23218.2402 ± 0.001       |          |
| CmMtrCurr_wircurrvaicma_voitcnt_im_r32 CmMtrCurr VecuSum Volt M f32                                                              | 18.0116081                                                     | 23218.2402 ± 0.001<br>18.0116081 ± 0.0009765625 |          |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                                                                                       | 0                                                              | 0 ± 1                                           |          |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32                                                                                 | 56567.5313                                                     | 56567.5313 ± 0.004                              | •        |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                                                                                  | 1.91152203                                                     | 1.91152203 ± 0.0003                             |          |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                                                                                  | 3                                                              | 3 ± 0.0003                                      | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                                                | 3                                                              | 3 ± 0.0003                                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                                                                | 1.30852175                                                     | 1.30852175 ± 0.0003                             | ~        |
|                                                                                                                                  |                                                                |                                                 |          |

CmMtrCurr\_Per3

2016-07-24, 12:40:56+0530



Test Case 2: Range Test

2016-07-24, 12:40:56+0530

CmMtrCurr\_Per3



Specification

Performance Metrics : [With "None" Instrumentation and WithPS Environment]

CPU Cycles:

1141 Cycles 1147 Cycles 1272 Cycles 1214 Cycles 1214 Cycles TC2.1 TC2.2 TC2.3 TC2.5 TC2.4 1188 Cycles 1188 Cycles 1188 Cycles 1188 Cycles TC2.6 TC2.7 TC2.8 TC2.9 1188 1188 1133 Cycles Cycles TC2.10 TC2.11 TC2.12 Cycles 1133 Cycles 1133 Cycles 1133 Cycles 1133 Cycles TC2.13 TC2.15 TC2.16 TC2.17 1133 Cycles TC2.18 TC2.19 TC2.20 1133 Cycles 1133 Cycles 1133 Cycles 1133 Cycles 1133 Cycles 1071 Cycles 1133 Cycles TC2.21 TC2.22 TC2.23 TC2.24 1071 Cycles 1071 Cycles 1133 Cycles TC2.25 TC2.26 TC2.27 1133 TC2.28 TC2.29 Cycles 1133 Cycles TC2.30 TC2.31 TC2.32 1133 Cycles 1133 Cycles 1133 Cycles TC2.33 TC2.34 TC2.35 TC2.36 1261 Cycles 1231 Cycles 1168 Cycles 1175 Cycles TC2.36 TC2.37 TC2.38 TC2.39 TC2.40 TC2.41 TC2.42 1175 1168 1168 1168 Cycles Cycles Cycles Cycles 1168 Cycles 1168 1168 1168 Cycles 1168 Cycles 1168 Cycles 1168 Cycles TC2.44 TC2.45 TC2.45 TC2.46 TC2.47 TC2.48 TC2.49 TC2.50 TC2.51 1168 Cycles 1168 Cycles 1175 Cycles 1175 Cycles 1175 Cycles 1175 Cycles 1175 Cycles TC2.53 TC2.54 TC2.55 1175 Cycles 1175 Cycles 1175 Cycles 1175 Cycles TC2.56 TC2.57 TC2.58 TC2.59 1194 Cycles 1194 1194 1194 Cycles Cycles Cycles TC2.60 TC2.61 TC2.62 TC2.63 1194 Cycles Cycles Cycles 1194 1249 Cycles 1195 Cycles TC2.64 TC2.65 TC2.66 TC2.67 1195 Cycles 1195 Cycles 1195 Cycles 1195 Cycles 1195 Cycles 1177 Cycles TC2.68 TC2.68 TC2.69 TC2.70 TC2.71 TC2.72 TC2.73 TC2.74 TC2.75 1195 Cycles 1284 Cycles 1307 Cycles 1238 Cycles 1214 1314 1233 1157 Cycles Cycles TC2.77 TC2.78 TC2.79 1175 Cycles 1175 Cycles 1157 Cycles TC2.80 TC2.81 TC2.82 TC2.83 1782 Cycles 1801 Cycles 1785 Cycles 1093 Cycles TC2.84 TC2.85 TC2.86 1093 Cycles 1093 Cycles 1031 Cycles TC2.87 TC2.88 1031 1031 Cycles 1031 Cycles 1031 1093 Cycles Cycles TC2.91 TC2.92 TC2.93 TC2.94 TC2.95 1031 Cycles 1093 Cycles 1093 Cycles 1031 Cycles 1093 Cycles TC2.96 TC2.97 TC2.98 1093 Cycles 1031 Cycles 1148 Cycles 1148 Cycles TC2.99 TC2.100 TC2.101 TC2.102 1148 Cycles 1307 Cycles 1307 Cycles TC2.103 1283 Cycles TC2 104 1284 Cycles



#### **Description** VECTOR DESCRIPTION:

TS2.1All Min TS2.2All Max TS2.3ADCMtrCurr1\_Volts\_f32==>Min TS2.4ADCMtrCurr1\_Volts\_f32==>Max TS2.5ADCMtrCurr1\_Volts\_f32==>Pos TS2.6ADCMtrCurr2\_Volts\_f32==>Min TS2.7ADCMtrCurr2\_Volts\_f32==>Max TS2.8ADCMtrCurr2\_Volts\_f32==>Pos TS2.9Vecu\_Volt\_f32==>Min TS2.10Vecu\_Volt\_f32==>Max TS2.11Vecu\_Volt\_f32==>Pos TS2.12MtrVel\_MtrRadpS\_f32==>Min TS2.13MtrVel\_MtrRadpS\_f32==>Max TS2.14MtrVel\_MtrRadpS\_f32==>Pos TS2.14Mit/vel\_MtrRadpS\_f32==>Zero TS2.15Mtr/vel\_MtrRadpS\_f32==>Neg TS2.17VehSpd\_Kph\_f32==>Min TS2.18VehSpd\_Kph\_f32==>Max TS2.19VehSpd\_Kph\_f32==>Pos TS2.20VhSpdValid\_Cnt\_lgc==>Min TS2.21VhSpdValid\_Cnt\_lgc==>Max TS2.22CurroffProcessFlag\_M\_enum==>CURROFF\_INIT
TS2.23CurroffProcessFlag\_M\_enum==>CURROFF\_FAIL
TS2.24CurroffProcessFlag\_M\_enum==>CURROFF\_PROCESSING IS2.24CurroffProcessFlag\_M\_enum==>CURROFF\_PROC TS2.25CurroffProcessFlag\_M\_enum==>CURROFF\_PASS TS2.26CurrOffTrimFlag\_M\_lgc==>Min TS2.27CurrOffTrimFlag\_M\_lgc==>Max TS2.28k\_MaxCurrOffMtrVel\_RadpS\_f32==>Min TS2.29k\_MaxCurrOffMtrVel\_RadpS\_f32==>Pos TS2.30k\_MaxCurrOffMtrVel\_RadpS\_f32==>Pos TS2.31k\_MaxCurrOffMtrVel\_RadpS\_f32==>Zero TS2.31k\_MaxCurrOffMtrVel\_RadpS\_f32==>Neg
TS2.32k\_MaxCurrOffMtrVel\_RadpS\_f32==>Default
TS2.34CurrOffState\_ULS\_M\_enum==>CURROFF\_INTIALISE
TS2.34CurrOffState\_ULS\_M\_enum==>CURROFF\_CALC
TS2.36CurrOffState\_ULS\_M\_enum==>CURROFF\_HIAVERAGE
TS2.37CurrOffState\_ULS\_M\_enum==>CURROFF\_LOAVERAGE TS2.38CurrOffState\_ULS\_M\_enum==>CURROFF\_ZEROAVERAGE TS2.39MtrCurr1SumHi\_Volt\_M\_f32==>Min TS2.40MtrCurr1SumHi\_Volt\_M\_f32==>Max TS2.41MtrCurr1SumHi\_Volt\_M\_f32==>Pos TS2.42MtrCurr2SumHi\_Volt\_M\_f32==>Min TS2.43MtrCurr2SumHi\_Volt\_M\_f32==>Max TS2.44MtrCurr2SumHi\_Volt\_M\_f32==>Pos TS2.45VecuSum\_Volt\_M\_f32==>Min TS2.46VecuSum\_Volt\_M\_f32==>Max TS2.47VecuSum\_Volt\_M\_f32==>Pos TS2.48CurrOffAvgCounter\_Cnt\_M\_u16==>Min TS2.49CurrOffAvgCounter\_Cnt\_M\_u16==>Max TS2.50CurrOffAvgCounter\_Cnt\_M\_u16==>Max
TS2.50CurrOffAvgCounter\_Cnt\_M\_u16==>Pos
TS2.51MtrCurr1SumLo\_Volt\_M\_f32==>Min
TS2.52MtrCurr1SumLo\_Volt\_M\_f32==>Max
TS2.53MtrCurr1SumLo\_Volt\_M\_f32==>Pos TS2.54MtrCurr2SumLo\_Volt\_M\_f32==>Min TS2.55MtrCurr2SumLo\_Volt\_M\_f32==>Max TS2.56MtrCurr2SumLo\_Volt\_M\_f32==>Pos TS2.57MtrCurr1SumZero\_Volt\_M\_f32==>Min TS2.58MtrCurr1SumZero\_Volt\_M\_f32==>Max TS2.59MtrCurr1SumZero\_Volt\_M\_f32==>Pos TS2.60MtrCurr2SumZero\_Volt\_M\_f32==>Min TS2.61MtrCurr2SumZero\_Volt\_M\_f32==>Max TS2.62MtrCurr2SumZero\_Volt\_M\_f32==>Pos TS2.63k\_MtrCurrEOLMinOffset\_Volts\_f32==>Min TS2.64k\_MtrCurrEOLMinOffset\_Volts\_f32==>Max TS2.65k\_MtrCurrEOLMinOffset\_Volts\_f32==>Pos/Default TS2.66k\_MtrCurrEOLMaxOffset\_Volts\_f32==>Min TS2.67k\_MtrCurrEOLMaxOffset\_Volts\_f32==>Max TS2.68k\_MtrCurrEOLMaxOffset\_Volts\_f32==>Pos/Default TS2.69MtrCurr1OffsetLo\_Volts\_M\_f32==>Min TS2.70MtrCurr1OffsetLo\_Volts\_M\_f32==>Max TS2.71MtrCurr1OffsetLo\_Volts\_M\_f32==>Pos TS2.72MtrCurr2OffsetLo\_Volts\_M\_f32==>Min TS2.73MtrCurr2OffsetLo\_Volts\_M\_f32==>Max TS2.74MtrCurr2OffsetLo\_Volts\_M\_f32==>Pos TS2.75MtrCurr1OffsetHi\_Volts\_M\_f32==>Min TS2.76MtrCurr1OffsetHi\_Volts\_M\_f32==>Max
TS2.77MtrCurr1OffsetHi\_Volts\_M\_f32==>Pos
TS2.78MtrCurr2OffsetHi\_Volts\_M\_f32==>Min TS2.78MtrCurr2OffsetHi\_Volts\_M\_f32==>Min
TS2.79MtrCurr2OffsetHi\_Volts\_M\_f32==>Max
TS2.80MtrCurr2OffsetHi\_Volts\_M\_f32==>Pos
TS2.81MtrCurrValCmd\_VoltCnts\_M\_f32==>Min
TS2.82MtrCurrValCmd\_VoltCnts\_M\_f32==>Max
TS2.83MtrCurrValCmd\_VoltCnts\_M\_f32==>Pos
TS2.84Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32==>Min
TS2.85Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32==>Max
TS2.86Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32==>Max
TS2.86Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32==>Pos
TS2.87Rte\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32==>Min
TS2.88Rte\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32==>Max
TS2.89Rte\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32==>Pos TS2.89Rte\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32==>Pos TS2.90Rte\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32==>Min TS2.91Rte\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32==>Max TS2.92Rte Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32==>Pos TS2.93Rte Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32==>Min TS2.94Rte\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32==>Max

© Report created by TESSY V3.1.13, report template V2.1



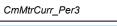


TS2.95Rte\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32==>Pos
TS2.96Rte\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Min
TS2.97Rte\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Max
TS2.98Rte\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos
TS2.99k\_CurrOffNoofAvg\_Cnt\_u16==>Min
TS2.100k\_CurrOffNoofAvg\_Cnt\_u16==>Max
TS2.101k\_CurrOffNoofAvg\_Cnt\_u16==>Pos/Default
TS2.102k\_MtrCurrOffLoComOff\_Cnt\_u16==>Min/Default
TS2.103k\_MtrCurrOffLoComOff\_Cnt\_u16==>Max
TS2.104k\_MtrCurrOffLoComOff\_Cnt\_u16==>Pos

| Test Step 2.1 (Repeat Count = 1)                               |                                        |                | <b>✓</b> |
|----------------------------------------------------------------|----------------------------------------|----------------|----------|
| Name                                                           | Input Value                            |                |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 0                                      |                |          |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE                      |                |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 0                                      |                |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 0                                      |                |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 0                                      |                |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 0                                      |                |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 0                                      |                |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 0                                      |                |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 0                                      |                |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 0                                      |                |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 0                                      |                |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 0                                      |                |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 0                                      |                |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 0                                      |                |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 0                                      |                |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 0                                      |                |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 0                                      |                |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 0                                      |                |          |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr              |                |          |
| k_CurrOffNoofAvg_Cnt_u16                                       | 1                                      |                |          |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | -20                                    |                |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 1                                      |                |          |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 1                                      |                |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 500                                    |                |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 0                                      |                |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 0                                      |                |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | -1118                                  |                |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 5                                      |                |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 0                                      |                |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 0                                      |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 0                                      |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 1                                      |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 1                                      |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1                                      |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1                                      |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Vo      | lts_f32        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Vo      | lts_f32        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u     | 116            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32       |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32      |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc  |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                      |                |          |
| Name                                                           | Actual Value                           | Expected Value | Resul    |

| g_ne_mor_ou_onnuroun: ini_onounou          | tgt_i iii_oilodiiodi |                   |          |
|--------------------------------------------|----------------------|-------------------|----------|
| Name                                       | Actual Value         | Expected Value    | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16      | 0                    | 0 ± 1             | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum          | CURROFF_INTIALISE    | CURROFF_INTIALISE | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc        | 0                    | 0                 | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum        | 0                    | 0                 | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32      | 0                    | 0 ± 0.0003        | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32      | 0                    | 0 ± 0.0003        | •        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32    | 0                    | 0 ± 0.0003        | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32         | 0                    | 0 ± 0.0003        | •        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32         | 0                    | 0 ± 0.0003        | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32       | 0                    | 0 ± 0.0003        | •        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32      | 0                    | 0 ± 0.0003        | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32      | 0                    | 0 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32    | 0                    | 0 ± 0.0003        | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32         | 0                    | 0 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         | 0                    | 0 ± 0.0003        | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32       | 0                    | 0 ± 0.0003        | •        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32      | 0                    | 0 ± 0.001         | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32               | 0                    | 0 ± 0.0009765625  | •        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value | 0                    | 0 ± 1             | ~        |



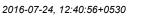


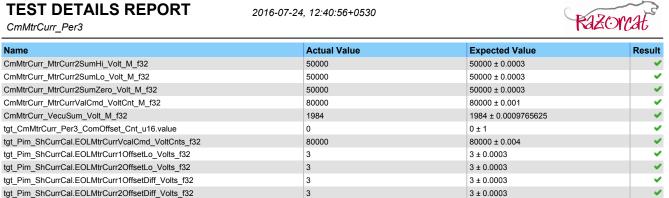
| Name                                              | Actual Value | Expected Value | Result   |
|---------------------------------------------------|--------------|----------------|----------|
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 0            | 0 ± 0.004      | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1            | 1 ± 0.0003     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1            | 1 ± 0.0003     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1            | 1 ± 0.0003     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1            | 1 ± 0.0003     | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | •      |

| Test Step 2.2 (Repeat Count = 1)                                            |                                       |                | <b>✓</b> |
|-----------------------------------------------------------------------------|---------------------------------------|----------------|----------|
| Name                                                                        | Input Value                           |                |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                       | 10000                                 |                |          |
| CmMtrCurr_CurrOffState_Uls_M_enum                                           | CURROFF_CALC                          |                |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                         | 1                                     |                |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                                         | 3                                     |                |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                       | 5                                     |                |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                       | 5                                     |                |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                     | 5                                     |                |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                          | 50000                                 |                |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                          | 50000                                 |                |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                        | 50000                                 |                |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                       | 5                                     |                |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                       | 5                                     |                |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                     | 5                                     |                |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                          | 50000                                 |                |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                          | 50000                                 |                |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                        | 50000                                 |                |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                       | 80000                                 |                |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                                | 1984                                  |                |          |
| Rte_Inst_Sa_CmMtrCurr                                                       | tgt_Rte_Inst_Sa_CmMtrCurr             |                |          |
| k_CurrOffNoofAvg_Cnt_u16                                                    | 10000                                 |                |          |
| k_MaxCurrOffMtrVel_RadpS_f32                                                | 20                                    |                |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                             | 3                                     |                |          |
| k_MtrCurrEOLMinOffset_Volts_f32                                             | 1500                                  |                |          |
| k_MtrCurrOffLoComOff_Cnt_u16 tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value | 3                                     |                |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                              | 3                                     |                |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                                | 1118                                  |                |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                      | 31                                    |                |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                     | 255                                   |                |          |
| tgt CmMtrCurr Per3 VhSpdValid Cnt Igc.value                                 | 1                                     |                |          |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32                            | 80000                                 |                |          |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                             | 3                                     |                |          |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                             | 3                                     |                |          |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32                           | 3                                     |                |          |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32                           | 3                                     |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32              | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts  | f32            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32              | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts  |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16                  | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16  | 3              |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32                | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f  | 32             |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32                      | tgt_CmMtrCurr_Per3_Vecu_Volt_f32      |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32                     | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32     |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc                 | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgd |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                     | tgt_Pim_ShCurrCal                     |                |          |
| Name                                                                        | Actual Value                          | Expected Value | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                       | 10000                                 | 10000 ± 1      | ~        |

| Name                                    | Actual Value      | Expected Value    | Result   |
|-----------------------------------------|-------------------|-------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 10000             | 10000 ± 1         | <b>✓</b> |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_INTIALISE | CURROFF_INTIALISE | ✓        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 0                 | 0                 | ✓        |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3                 | 3                 | ✓        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 5                 | 5 ± 0.0003        | ✓        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 5                 | 5 ± 0.0003        | ✓        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 5                 | 5 ± 0.0003        | ✓        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 50000             | 50000 ± 0.0003    | ✓        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 50000             | 50000 ± 0.0003    | ✓        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 50000             | 50000 ± 0.0003    | ✓        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 5                 | 5 ± 0.0003        | ✓        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 5                 | 5 ± 0.0003        | ✓        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 5                 | 5 ± 0.0003        | <b>✓</b> |





| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.3 (Repeat Count = 1) Name                          | Input Value                 |                 |        |
|----------------------------------------------------------------|-----------------------------|-----------------|--------|
| CmMtrCurr CurrOffAvgCounter Cnt M u16                          | 1                           |                 |        |
| CmMtrCurr CurrOffState Uls M enum                              | CURROFF HIAVERAGE           |                 |        |
| CmMtrCurr CurrOffTrimFlag Cnt M Igc                            | 1                           |                 |        |
| CmMtrCurr CurroffProcessFlag M enum                            | 1                           |                 |        |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 1.78107488                  |                 |        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 2.77936649                  |                 |        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 2.77936649                  |                 |        |
| CmMtrCurr MtrCurr1SumHi Volt M f32                             | 10.2349997                  |                 |        |
| CmMtrCurr MtrCurr1SumLo Volt M f32                             | 88.1449966                  |                 |        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 12546.25                    |                 |        |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                          | 1.57947969                  |                 |        |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                          | 4.25460005                  |                 |        |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32                        | 1.69485998                  |                 |        |
|                                                                | 2.40007114                  |                 |        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 1 111                       |                 |        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 154.925003                  |                 |        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 88.1449966                  |                 |        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 24410.7969                  |                 |        |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 243.964996                  |                 |        |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr   |                 |        |
| k_CurrOffNoofAvg_Cnt_u16                                       | 1                           |                 |        |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 13.78934                    |                 |        |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 2.81365776                  |                 |        |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 1.01982665                  |                 |        |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 550                         |                 |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 0                           |                 |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 1.77544999                  |                 |        |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 13                          |                 |        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 26.1811924                  |                 |        |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.92093008e-008             |                 |        |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                           |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 79716.3125                  |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                           |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                           |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.33796501                  |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 2.4327662                   |                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr   | Curr1_Volts_f32 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr   | Curr2_Volts_f32 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffs  | set_Cnt_u16     |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_I | MtrRadpS_f32    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Ve  | olt_f32         |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd   | _Kph_f32        |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CmMtrCurr_Per3_VhSpdV   | alid_Cnt_lgc    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal           |                 |        |
| Name                                                           | Actual Value                | Expected Value  | Result |
| CmMtrCurr CurrOffAvaCounter Cnt M u16                          | 2                           | 2 ± 1           |        |

| Name                                    | Actual Value      | Expected Value      | Result |
|-----------------------------------------|-------------------|---------------------|--------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 2                 | 2 ± 1               | ~      |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_HIAVERAGE | CURROFF_HIAVERAGE   | ~      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                 | 1                   | ~      |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 1                 | 1                   | ~      |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 1.78107488        | 1.78107488 ± 0.0003 | ~      |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 2.77936649        | 2.77936649 ± 0.0003 | ~      |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 2.77936649        | 2.77936649 ± 0.0003 | ~      |





| Name                                              | Actual Value | Expected Value            | Result   |
|---------------------------------------------------|--------------|---------------------------|----------|
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 10.2349997   | 10.2349997 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 88.1449966   | 88.1449966 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 12546.25     | 12546.25 ± 0.0003         | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 1.57947969   | 1.57947969 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 4.25460005   | 4.25460005 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 1.69485998   | 1.69485998 ± 0.0003       | <b>~</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 4.1755209    | 4.1755209 ± 0.0003        | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 154.925003   | 154.925003 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 88.1449966   | 88.1449966 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 24410.7969   | 24410.7969 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 270.146179   | 270.146179 ± 0.0009765625 | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 4000         | 4000 ± 1                  | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 79716.3125   | 79716.3125 ± 0.004        | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3            | 3 ± 0.0003                | <b>~</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3            | 3 ± 0.0003                | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.33796501   | 2.33796501 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.4327662    | 2.4327662 ± 0.0003        | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.4 (Repeat Count = 1)                               |                                          | <b>✓</b> |
|----------------------------------------------------------------|------------------------------------------|----------|
| Name                                                           | Input Value                              |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 2                                        |          |
| CmMtrCurr CurrOffState UIs M enum                              | CURROFF ZEROAVERAGE                      |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                                        |          |
| CmMtrCurr CurroffProcessFlag M enum                            | 3                                        |          |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 3.32500005                               |          |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 2.46805692                               |          |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                        | 2.46805692                               |          |
| CmMtrCurr MtrCurr1SumHi Volt M f32                             | 21.3649998                               |          |
| CmMtrCurr MtrCurr1SumLo Volt M f32                             | 99.2750015                               |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 15487.3604                               |          |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                          | 3                                        |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 4.3657999                                |          |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32                        | 3.75889993                               |          |
| CmMtrCurr MtrCurr2SumHi Volt M f32                             | 2.35386825                               |          |
| CmMtrCurr MtrCurr2SumLo Volt M f32                             | 166.054993                               |          |
| CmMtrCurr MtrCurr2SumZero Volt M f32                           | 99.2750015                               |          |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                          | 27914.8262                               |          |
| CmMtrCurr VecuSum Volt M f32                                   | 255.095001                               |          |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr                |          |
| k CurrOffNoofAvg Cnt u16                                       | 2                                        |          |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 15                                       |          |
| k MtrCurrEOLMaxOffset Volts f32                                | 1.39142871                               |          |
| k MtrCurrEOLMinOffset Volts f32                                | 2.28647137                               |          |
| k MtrCurrOffLoComOff Cnt u16                                   | 600                                      |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 3                                        |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 1.09178734                               |          |
| tgt CmMtrCurr Per3 MtrVel MtrRadpS f32.value                   | 14                                       |          |
| tgt CmMtrCurr Per3 Vecu Volt f32.value                         | 6.35709572                               |          |
| tgt CmMtrCurr Per3 VehSpd Kph f32.value                        | 1.82093007e-008                          |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                        |          |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32               | 37732.9023                               |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 2.63156509                               |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                                        |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1.93776929                               |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 2.30192566                               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32         |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                        |          |
| Name                                                           | Actual Value Expected Value Ro           | esult    |
| CmMtrCurr CurrOffAvgCounter Cnt M u16                          | 3 3±1                                    | ~        |

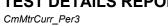
CmMtrCurr\_Per3



| Name                                              | Actual Value        | Expected Value            | Result   |
|---------------------------------------------------|---------------------|---------------------------|----------|
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_ZEROAVERAGE | CURROFF_ZEROAVERAGE       | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                   | 1                         | <b>✓</b> |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                   | 1                         | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 3.32500005          | 3.32500005 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 2.46805692          | 2.46805692 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 2.46805692          | 2.46805692 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 21.3649998          | 21.3649998 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 99.2750015          | 99.2750015 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 15490.3604          | 15490.3604 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                   | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 4.3657999           | 4.3657999 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 3.75889993          | 3.75889993 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 2.35386825          | 2.35386825 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 166.054993          | 166.054993 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 100.366791          | 100.366791 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 27914.8262          | 27914.8262 ± 0.001        | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 255.095001          | 255.095001 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                   | 0 ± 1                     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 37732.9023          | 37732.9023 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.63156509          | 2.63156509 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                   | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.93776929          | 1.93776929 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.30192566          | 2.30192566 ± 0.0003       | <b>✓</b> |

| Test Step Call Trace ✓                        |       |                                               |       |          |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|--|
| Actual Function                               | Count | Expected Function                             | Count | Result   |  |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |  |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |  |

| Test Step 2.5 (Repeat Count = 1)                               | <b>✓</b>                                 |
|----------------------------------------------------------------|------------------------------------------|
| Name                                                           | Input Value                              |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 3                                        |
| CmMtrCurr CurrOffState Uls M enum                              | CURROFF CALC                             |
| CmMtrCurr CurrOffTrimFlag Cnt M Igc                            | 1                                        |
| CmMtrCurr CurroffProcessFlag M enum                            | 2                                        |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 2.06366134                               |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 2.06732988                               |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                        | 2.06732988                               |
| CmMtrCurr MtrCurr1SumHi Volt M f32                             | 32.4949989                               |
| CmMtrCurr MtrCurr1SumLo Volt M f32                             | 110.404999                               |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 18428.4707                               |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                          | 2.22904086                               |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                          | 4.47700024                               |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32                        | 2.40540409                               |
| CmMtrCurr MtrCurr2SumHi Volt M f32                             | 2.04112172                               |
| CmMtrCurr MtrCurr2SumLo Volt M f32                             | 177.184998                               |
| CmMtrCurr MtrCurr2SumZero Volt M f32                           | 110.404999                               |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                          | 23218.2402                               |
| CmMtrCurr VecuSum Volt M f32                                   | 266.225006                               |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr                |
| k CurrOffNoofAvg Cnt u16                                       | 3                                        |
| k MaxCurrOffMtrVel RadpS f32                                   | 12.5231485                               |
| k MtrCurrEOLMaxOffset Volts f32                                | 1.09347951                               |
| k MtrCurrEOLMinOffset Volts f32                                | 1.74270165                               |
| k MtrCurrOffLoComOff Cnt u16                                   | 650                                      |
| tgt CmMtrCurr Per3 ADCMtrCurr1 Volts f32.value                 | 2.5                                      |
| tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32.value                 | 3                                        |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 12                                       |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 18.9864292                               |
| tgt CmMtrCurr Per3 VehSpd Kph f32.value                        | 1.72093007e-008                          |
| tgt CmMtrCurr Per3 VhSpdValid Cnt Igc.value                    | 0                                        |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32               | 56567.5313                               |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                | 1.91152203                               |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                | 3                                        |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32              | 3                                        |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32              | 1.30852175                               |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16     | tgt CmMtrCurr Per3 ComOffset Cnt u16     |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   |





| Name                                                        | Input Value                    |                           |          |
|-------------------------------------------------------------|--------------------------------|---------------------------|----------|
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32      | tgt_CmMtrCurr_Per3_Vecu_Volt_f | 32                        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32     | tgt_CmMtrCurr_Per3_VehSpd_Kpl  | h_f32                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc | tgt_CmMtrCurr_Per3_VhSpdValid_ | _Cnt_lgc                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                     | tgt_Pim_ShCurrCal              |                           |          |
| Name                                                        | Actual Value                   | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                       | 3                              | 3 ± 1                     | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                           | CURROFF_INTIALISE              | CURROFF_INTIALISE         | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                         | 0                              | 0                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum                         | 3                              | 3                         | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                       | 2.06366134                     | 2.06366134 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                       | 2.06732988                     | 2.06732988 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                     | 2.06732988                     | 2.06732988 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                          | 32.4949989                     | 32.4949989 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                          | 110.404999                     | 110.404999 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                        | 18428.4707                     | 18428.4707 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                       | 2.22904086                     | 2.22904086 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                       | 4.47700024                     | 4.47700024 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                     | 2.40540409                     | 2.40540409 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                          | 2.04112172                     | 2.04112172 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                          | 177.184998                     | 177.184998 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                        | 110.404999                     | 110.404999 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                       | 23218.2402                     | 23218.2402 ± 0.001        | •        |
| CmMtrCurr_VecuSum_Volt_M_f32                                | 266.225006                     | 266.225006 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                  | 0                              | 0 ± 1                     | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32            | 56567.5313                     | 56567.5313 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32             | 1.91152203                     | 1.91152203 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32             | 3                              | 3 ± 0.0003                | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32           | 3                              | 3 ± 0.0003                | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32           | 1.30852175                     | 1.30852175 ± 0.0003       | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.6 (Repeat Count = 1)                 | ✓                         |
|--------------------------------------------------|---------------------------|
| Name                                             | Input Value               |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16            | 4                         |
| CmMtrCurr_CurrOffState_Uls_M_enum                | CURROFF_HIAVERAGE         |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc              | 1                         |
| CmMtrCurr_CurroffProcessFlag_M_enum              | 2                         |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32            | 3.98569989                |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32            | 2.58597875                |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32          | 2.58597875                |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32               | 43.625                    |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32               | 121.535004                |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32             | 21369.5801                |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32            | 3                         |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32            | 4.58820009                |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32          | 3                         |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32               | 1.14592612                |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32               | 188.315002                |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32             | 121.535004                |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32            | 54861.9258                |
| CmMtrCurr_VecuSum_Volt_M_f32                     | 277.355011                |
| Rte_Inst_Sa_CmMtrCurr                            | tgt_Rte_Inst_Sa_CmMtrCurr |
| k_CurrOffNoofAvg_Cnt_u16                         | 4                         |
| k_MaxCurrOffMtrVel_RadpS_f32                     | 11                        |
| k_MtrCurrEOLMaxOffset_Volts_f32                  | 3                         |
| k_MtrCurrEOLMinOffset_Volts_f32                  | 3                         |
| k_MtrCurrOffLoComOff_Cnt_u16                     | 700                       |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value   | 1.15824986                |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value   | 0                         |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value     | 10                        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value           | 25.4397964                |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value          | 1.62093006e-008           |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value      | 1                         |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 | 76407.3672                |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  | 2.79925156                |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32  | 2.44109416                |



CmMtrCurr\_Per3

| Name                                                           | Input Value                       |                     |          |
|----------------------------------------------------------------|-----------------------------------|---------------------|----------|
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 3                                 |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 2.25900912                        |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_\  | Volts_f32           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_\  | Volts_f32           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt  | _u16                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadp | pS_f32              |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32  |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f3  | 32                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cr  | nt_lgc              |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                 |                     |          |
| Name                                                           | Actual Value                      | Expected Value      | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 5                                 | 5 ± 1               | ✓        |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_HIAVERAGE                 | CURROFF_HIAVERAGE   | ✓        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                                 | 1                   | ✓        |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 1                                 | 1                   | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 3.98569989                        | 3.98569989 ± 0.0003 | <b>✓</b> |

| Name                                              | Actual Value      | Expected Value          | Result   |
|---------------------------------------------------|-------------------|-------------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 5                 | 5 ± 1                   | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_HIAVERAGE | CURROFF_HIAVERAGE       | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                 | 1                       | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                 | 1                       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 3.98569989        | 3.98569989 ± 0.0003     | <b>~</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 2.58597875        | 2.58597875 ± 0.0003     | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 2.58597875        | 2.58597875 ± 0.0003     | <b>~</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 44.7832489        | 44.7832489 ± 0.0003     | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 121.535004        | 121.535004 ± 0.0003     | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 21369.5801        | 21369.5801 ± 0.0003     | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003              | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 4.58820009        | 4.58820009 ± 0.0003     | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 3                 | 3 ± 0.0003              | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 1.14592612        | 1.14592612 ± 0.0003     | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 188.315002        | 188.315002 ± 0.0003     | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 121.535004        | 121.535004 ± 0.0003     | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 54861.9258        | 54861.9258 ± 0.001      | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 302.7948          | 302.7948 ± 0.0009765625 | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 4000              | 4000 ± 1                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 76407.3672        | 76407.3672 ± 0.004      | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.79925156        | 2.79925156 ± 0.0003     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.44109416        | 2.44109416 ± 0.0003     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                 | 3 ± 0.0003              | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.25900912        | 2.25900912 ± 0.0003     | <b>✓</b> |

| Test Step Call Trace ✓                        |       |                                               |       |          |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|--|
| Actual Function                               | Count | Expected Function                             | Count | Result   |  |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |  |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |  |

| Test Step 2.7 (Repeat Count = 1)               | · Control of the cont |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name                                           | Input Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16          | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CmMtrCurr_CurrOffState_Uls_M_enum              | CURROFF_HIAVERAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc            | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CmMtrCurr_CurroffProcessFlag_M_enum            | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32          | 1.93872654                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32          | 2.14313006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32        | 2.14313006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32             | 54.7550011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32             | 12546.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32           | 24310.6895                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32          | 1.74477029                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32          | 4.69939995                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32        | 4.52099991                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32             | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32             | 199.445007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32           | 132.664993                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32          | 42270.7656                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| CmMtrCurr_VecuSum_Volt_M_f32                   | 288.484985                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Rte_Inst_Sa_CmMtrCurr                          | tgt_Rte_Inst_Sa_CmMtrCurr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| k_CurrOffNoofAvg_Cnt_u16                       | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| k_MaxCurrOffMtrVel_RadpS_f32                   | 2.29856873                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| k_MtrCurrEOLMaxOffset_Volts_f32                | 1.33624041                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| k_MtrCurrEOLMinOffset_Volts_f32                | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| k_MtrCurrOffLoComOff_Cnt_u16                   | 750                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value | 1.20779204                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value   | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

CmMtrCurr\_Per3





| Name                                                           | Input Value                              |                   |          |
|----------------------------------------------------------------|------------------------------------------|-------------------|----------|
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 26.6180859                               |                   |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.52093005e-008                          |                   |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                        |                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 42859.8672                               |                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                                        |                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                                        |                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1.67476642                               |                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                                        |                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1           | _Volts_f32        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 |                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16     |                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRa          | dpS_f32           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32         | 2                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_           | _f32              |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_C          | Cnt_lgc           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                        |                   |          |
| Name                                                           | Actual Value                             | Expected Value    | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 6                                        | 6 ± 1             | <b>*</b> |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_HIAVERAGE                        | CURROFF_HIAVERAGE | ~        |
| CmMtrCurr CurrOffTrimElag Cnt M Igo                            | 1                                        | 1                 | -        |

| tgt_Rte_inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_SnCurrCal |                           |          |
|---------------------------------------------------|-------------------|---------------------------|----------|
| Name                                              | Actual Value      | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 6                 | 6 ± 1                     | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_HIAVERAGE | CURROFF_HIAVERAGE         | <b>~</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                 | 1                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                 | 1                         | <b>~</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 1.93872654        | 1.93872654 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 2.14313006        | 2.14313006 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 2.14313006        | 2.14313006 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 55.9627914        | 55.9627914 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 12546.25          | 12546.25 ± 0.0003         | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 24310.6895        | 24310.6895 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 1.74477029        | 1.74477029 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 4.69939995        | 4.69939995 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 4.52099991        | 4.52099991 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 6                 | 6 ± 0.0003                | •        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 199.445007        | 199.445007 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 132.664993        | 132.664993 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 42270.7656        | 42270.7656 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 315.103058        | 315.103088 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 4000              | 4000 ± 1                  | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 42859.8672        | 42859.8672 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.67476642        | 1.67476642 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                 | 3 ± 0.0003                | ~        |
|                                                   |                   |                           |          |

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |

| Test Step 2.8 (Repeat Count = 1)        |                           | <b>✓</b> |
|-----------------------------------------|---------------------------|----------|
| Name                                    | Input Value               |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 6                         |          |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_HIAVERAGE         |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                         |          |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3                         |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 2.69017243                |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 2.94488144                |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 2.94488144                |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 65.8850021                |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 15487.3604                |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 27251.8008                |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 2.23310089                |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 4.8105998                 |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 4.0999999                 |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32      | 2.77322626                |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32      | 210.574997                |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32    | 143.794998                |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32   | 68027.5                   |          |
| CmMtrCurr_VecuSum_Volt_M_f32            | 299.61499                 |          |
| Rte_Inst_Sa_CmMtrCurr                   | tgt_Rte_Inst_Sa_CmMtrCurr |          |
| k_CurrOffNoofAvg_Cnt_u16                | 10                        |          |
| k_MaxCurrOffMtrVel_RadpS_f32            | 17                        |          |

CmMtrCurr\_Per3



| Name                                                           | Input Value                            |                |        |  |
|----------------------------------------------------------------|----------------------------------------|----------------|--------|--|
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 2.99140501                             | 2.99140501     |        |  |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 2.63000679                             | 2.63000679     |        |  |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 800                                    | 300            |        |  |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 3                                      |                |        |  |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 1.5                                    |                |        |  |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 16                                     |                |        |  |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 13.7805471                             |                |        |  |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.42093004e-008                        |                |        |  |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                      |                |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 20585.7949                             |                |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 2.5396297                              |                |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.98051882                             |                |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1.13610566                             | 1.13610566     |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                                      |                |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f | 32             |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f | 32             |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16   |                |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 |                |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32       |                |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32      |                |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc  |                |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                      |                |        |  |
| Name                                                           | Actual Value                           | Expected Value | Result |  |
| 0.44.0                                                         | I                                      |                |        |  |

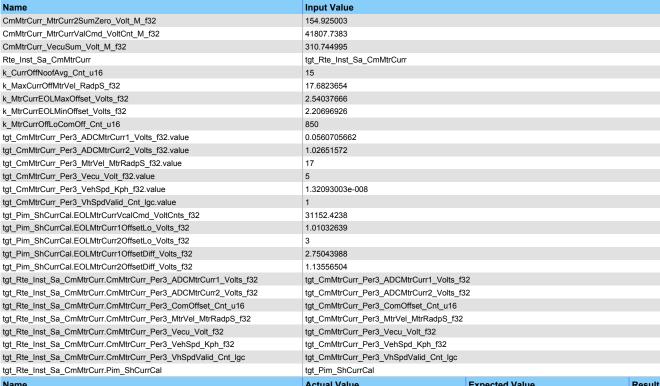
| tgt_Rte_inst_5a_ChilwitCurr.Filin_ShCurrCal       | tgt_Filli_SilCullCal |                           |          |
|---------------------------------------------------|----------------------|---------------------------|----------|
| Name                                              | Actual Value         | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 7                    | 7 ± 1                     | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_HIAVERAGE    | CURROFF_HIAVERAGE         | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                    | 1                         | ✓        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                    | 1                         | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 2.69017243           | 2.69017243 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 2.94488144           | 2.94488144 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 2.94488144           | 2.94488144 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 68.8850021           | 68.8850021 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 15487.3604           | 15487.3604 ± 0.0003       | ✓        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 27251.8008           | 27251.8008 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 2.23310089           | 2.23310089 ± 0.0003       | ✓        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 4.8105998            | 4.8105998 ± 0.0003        | ✓        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 4.0999999            | 4.0999999 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 4.27322626           | 4.27322626 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 210.574997           | 210.574997 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 143.794998           | 143.794998 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 68027.5              | 68027.5 ± 0.001           | ✓        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 313.395538           | 313.395538 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 4000                 | 4000 ± 1                  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 20585.7949           | 20585.7949 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.5396297            | 2.5396297 ± 0.0003        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.98051882           | 2.98051882 ± 0.0003       | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.13610566           | 1.13610566 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                    | 3 ± 0.0003                | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.9 (Repeat Count = 1)        |                   | <b>✓</b> |
|-----------------------------------------|-------------------|----------|
| Name                                    | Input Value       |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 7                 |          |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_HIAVERAGE |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                 |          |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 0                 |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 2.3003974         |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 2.68251061        |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 2.68251061        |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 77.0149994        |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 18428.4707        |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 30192.9102        |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 1.91343355        |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 4.92180014        |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 4.1999981         |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32      | 1.82674897        |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32      | 221.705002        |          |

CmMtrCurr\_Per3





| 9                                                 | 1912-1112-1112-11 |                           |          |
|---------------------------------------------------|-------------------|---------------------------|----------|
| Name                                              | Actual Value      | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 8                 | 8 ± 1                     | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_HIAVERAGE | CURROFF_HIAVERAGE         | ~        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                 | 1                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                 | 1                         | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 2.3003974         | 2.3003974 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 2.68251061        | 2.68251061 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 2.68251061        | 2.68251061 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 77.0710678        | 77.0710678 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 18428.4707        | 18428.4707 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 30192.9102        | 30192.9102 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 1.91343355        | 1.91343355 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 4.92180014        | 4.92180014 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 4.19999981        | 4.19999981 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 2.85326481        | 2.85326457 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 221.705002        | 221.705002 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 154.925003        | 154.925003 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 41807.7383        | 41807.7383 ± 0.001        | •        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 315.744995        | 315.744995 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 4000              | 4000 ± 1                  | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 31152.4238        | 31152.4238 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.01032639        | 1.01032639 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.75043988        | 2.75043988 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.13556504        | 1.13556504 ± 0.0003       | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | •      |

| Test Step 2.10 (Repeat Count = 1)       |                   | ✓ |
|-----------------------------------------|-------------------|---|
| Name                                    | Input Value       |   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 8                 |   |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_HIAVERAGE |   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                 |   |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3                 |   |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 2.18853402        |   |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 1.35347366        |   |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 1.35347366        |   |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 88.1449966        |   |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 21369.5801        |   |

CmMtrCurr\_Per3

2016-07-24, 12:40:56+0530



Input Value  $CmMtrCurr\_MtrCurr1SumZero\_Volt\_M\_f32$ 33134.0195 CmMtrCurr\_MtrCurr2OffsetHi\_Volt\_M\_f32 2.24896121 CmMtrCurr\_MtrCurr2OffsetLo\_Volt\_M\_f32 1.32399046 CmMtrCurr\_MtrCurr2OffsetZero\_Volt\_M\_f32 4.30000019 CmMtrCurr\_MtrCurr2SumHi\_Volt\_M\_f32 2.4079411  $CmMtrCurr\_MtrCurr2SumLo\_Volt\_M\_f32$ 232.835007 CmMtrCurr\_MtrCurr2SumZero\_Volt\_M\_f32 166.054993  $CmMtrCurr\_MtrCurrValCmd\_VoltCnt\_M\_f32$ 2316.12231 CmMtrCurr\_VecuSum\_Volt\_M\_f32 321.875 Rte\_Inst\_Sa\_CmMtrCurr tgt\_Rte\_Inst\_Sa\_CmMtrCurr k\_CurrOffNoofAvg\_Cnt\_u16 20 k\_MaxCurrOffMtrVel\_RadpS\_f32 14 2490196 k\_MtrCurrEOLMaxOffset\_Volts\_f32 2.16256571 1 79059577 k MtrCurrEOLMinOffset Volts f32 k\_MtrCurrOffLoComOff\_Cnt\_u16 900 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32.value  $tgt\_CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32.value$ 0.359586239 tgt\_CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32.value 14  $tgt\_CmMtrCurr\_Per3\_Vecu\_Volt\_f32.value$ 31 tgt\_CmMtrCurr\_Per3\_VehSpd\_Kph\_f32.value 1.22093002e-008  $tgt\_CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc.value$ tgt\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32 3217.23193  $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32$ 3 tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32  $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32$ 2.22488117  $tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32$ tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32$ tgt\_CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32 tgt\_CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32 tgt\_CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_Vecu\_Volt\_f32 tgt\_CmMtrCurr\_Per3\_Vecu\_Volt\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_VehSpd\_Kph\_f32 tgt\_CmMtrCurr\_Per3\_VehSpd\_Kph\_f32 tgt CmMtrCurr Per3 VhSpdValid Cnt Igc tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VhSpdValid Cnt Igc tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_ShCurrCal tgt\_Pim\_ShCurrCal

| Name                                              | Actual Value      | Expected Value         | Result   |
|---------------------------------------------------|-------------------|------------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 9                 | 9 ± 1                  | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_HIAVERAGE | CURROFF_HIAVERAGE      | ~        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                 | 1                      | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                 | 1                      | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 2.18853402        | 2.18853402 ± 0.0003    | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 1.35347366        | 1.35347366 ± 0.0003    | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 1.35347366        | 1.35347366 ± 0.0003    | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 91.1449966        | 91.1449966 ± 0.0003    | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 21369.5801        | 21369.5801 ± 0.0003    | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 33134.0195        | 33134.0195 ± 0.0003    | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 2.24896121        | 2.24896121 ± 0.0003    | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 1.32399046        | 1.32399046 ± 0.0003    | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 4.30000019        | 4.30000019 ± 0.0003    | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 2.76752734        | 2.76752734 ± 0.0003    | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 232.835007        | 232.835007 ± 0.0003    | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 166.054993        | 166.054993 ± 0.0003    | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 2316.12231        | 2316.12231 ± 0.001     | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 352.875           | 352.875 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 4000              | 4000 ± 1               | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 3217.23193        | 3217.23193 ± 0.004     | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003             | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003             | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.22488117        | 2.22488117 ± 0.0003    | ~        |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 | 3                 | 3 ± 0.0003             | <b>✓</b> |

| Test Step Call Trace                          | Test Step Call Trace |                                               |       | <b>✓</b> |
|-----------------------------------------------|----------------------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count                | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1                    | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1                    | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.11 (Repeat Count = 1)     | <b>✓</b>          |
|---------------------------------------|-------------------|
| Name                                  | Input Value       |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 | 9                 |
| CmMtrCurr_CurrOffState_Uls_M_enum     | CURROFF_HIAVERAGE |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc   | 1                 |





|                                                                |                                  |                    | ( CIP C I ( CIV |
|----------------------------------------------------------------|----------------------------------|--------------------|-----------------|
| Name                                                           | Input Value                      |                    |                 |
| CmMtrCurr CurroffProcessFlag M enum                            | 2                                |                    |                 |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 2.4301908                        |                    |                 |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 1.7515341                        |                    |                 |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                        | 1.7515341                        |                    |                 |
| CmMtrCurr MtrCurr1SumHi Volt M f32                             | 99.2750015                       |                    |                 |
| CmMtrCurr MtrCurr1SumLo Volt M f32                             | 24310.6895                       |                    |                 |
| CmMtrCurr MtrCurr1SumZero Volt M f32                           | 36075.1289                       |                    |                 |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 3                                |                    |                 |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 2.22926593                       |                    |                 |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 4.4000001                        |                    |                 |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 2.00158358                       |                    |                 |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 12546.25                         |                    |                 |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 177.184998                       |                    |                 |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                          | 50238.3359                       |                    |                 |
| CmMtrCurr VecuSum Volt M f32                                   | 333.005005                       |                    |                 |
| Rte Inst Sa CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr        |                    |                 |
| k_CurrOffNoofAvg_Cnt_u16                                       | 25                               |                    |                 |
| k MaxCurrOffMtrVel RadpS f32                                   | 20                               |                    |                 |
| k MtrCurrEOLMaxOffset Volts f32                                | 3                                |                    |                 |
| k MtrCurrEOLMinOffset Volts f32                                | 1.15867352                       |                    |                 |
| k MtrCurrOffLoComOff Cnt u16                                   | 950                              |                    |                 |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 3                                |                    |                 |
| tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32.value                 | 0.123802423                      |                    |                 |
| tgt CmMtrCurr Per3 MtrVel MtrRadpS f32.value                   | 19                               |                    |                 |
| tgt CmMtrCurr Per3 Vecu Volt f32.value                         | 15.5                             |                    |                 |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.12093002e-008                  |                    |                 |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                |                    |                 |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32               | 10727.9072                       |                    |                 |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                | 2.96896577                       |                    |                 |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                | 1.0980438                        |                    |                 |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32              | 1.91172564                       |                    |                 |
| tqt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32              | 3                                |                    |                 |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr1 Volts f32 | tgt CmMtrCurr Per3 ADCMtrCurr1   | Volts f32          |                 |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32 | tgt CmMtrCurr Per3 ADCMtrCurr2   | _                  |                 |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cr  |                    |                 |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRa  | _                  |                 |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 Vecu Volt f32         | tgt CmMtrCurr Per3 Vecu Volt f32 |                    |                 |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32        | tgt CmMtrCurr Per3 VehSpd Kph    |                    |                 |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_C  | _                  |                 |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                |                    |                 |
| Name                                                           | Actual Value                     | Expected Value     | Resul           |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 10                               | 10 ± 1             | Resul           |
| CmMtrCurr CurrOffState Uls M enum                              | CURROFF HIAVERAGE                | CURROFF HIAVERAGE  |                 |
| CmMtrCurr CurrOffTrimFlag Cnt M Igc                            | 1                                | 1                  |                 |
| CmMtrCurr CurroffProcessFlag M enum                            | 1                                | 1                  |                 |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 2.4301908                        | 2.4301908 ± 0.0003 |                 |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 1.7515341                        | 1.7515341 ± 0.0003 |                 |
| Online Car Tollocted_Volt_IVI_102                              | 1.7010041                        | 1.7313041 ± 0.0003 |                 |

| tgt_Rte_inst_Sa_CriMitrCurr.Plin_ShCurrCal        | tgt_Pim_Shcurrear |                           |          |
|---------------------------------------------------|-------------------|---------------------------|----------|
| Name                                              | Actual Value      | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 10                | 10 ± 1                    | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_HIAVERAGE | CURROFF_HIAVERAGE         | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                 | 1                         | <b>✓</b> |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                 | 1                         | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 2.4301908         | 2.4301908 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 1.7515341         | 1.7515341 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 1.7515341         | 1.7515341 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 102.275002        | 102.275002 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 24310.6895        | 24310.6895 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 36075.1289        | 36075.1289 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 2.22926593        | 2.22926593 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 4.4000001         | 4.4000001 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 2.125386          | 2.125386 ± 0.0003         | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 12546.25          | 12546.25 ± 0.0003         | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 177.184998        | 177.184998 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 50238.3359        | 50238.3359 ± 0.001        | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 348.505005        | 348.505005 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 4000              | 4000 ± 1                  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 10727.9072        | 10727.9072 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.96896577        | 2.96896577 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.0980438         | 1.0980438 ± 0.0003        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.91172564        | 1.91172564 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                 | 3 ± 0.0003                | ✓        |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |





| Test Step 2.12 (Repeat Count = 1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                          | ~        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Input Value                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CURROFF_ZEROAVERAGE                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1.79951966                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2.13700366                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2.13700366                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 110.404999                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 27251.8008                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 39016.2383                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2.41001582                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2.16096163                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| CmMtrCurr_MtrCurr2StmHi Volt M #32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4.5                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr MtrCurr2SumLo Volt M f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 15487.3604                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| CmMtrCurr MtrCurr2SumZero Volt M f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 12546.25                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 33128.5508                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| CmMtrCurr VecuSum Volt M f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 344.13501                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| Rte Inst Sa CmMtrCurr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | tgt_Rte_Inst_Sa_CmMtrCurr                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| k CurrOffNoofAvg Cnt u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 30                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| k MaxCurrOffMtrVel RadpS f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -19.2097321                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2.43225884                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| k MtrCurrEOLMinOffset Volts f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2.51006746                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| k MtrCurrOffLoComOff Cnt u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1000                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2.8361516                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1.29087067                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -1118                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 29.4384918                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1.02093001e-008                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 12078.0166                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1.53875852                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2.33318686                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2.6578269                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | tgt_CmMtrCurr_Per3_ADCMtrCurr                                                                                                              | 1_Volts_f32                                                                                                                                                                                                                                                                                                                                                                              |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | tgt_CmMtrCurr_Per3_ADCMtrCurr                                                                                                              | 2_Volts_f32                                                                                                                                                                                                                                                                                                                                                                              |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | tgt_CmMtrCurr_Per3_ComOffset_0                                                                                                             | Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | tgt_CmMtrCurr_Per3_MtrVel_MtrR                                                                                                             | adpS_f32                                                                                                                                                                                                                                                                                                                                                                                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | tgt_CmMtrCurr_Per3_Vecu_Volt_f                                                                                                             | 32                                                                                                                                                                                                                                                                                                                                                                                       |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | tgt_CmMtrCurr_Per3_VehSpd_Kpl                                                                                                              | n_f32                                                                                                                                                                                                                                                                                                                                                                                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | tgt_CmMtrCurr_Per3_VhSpdValid_                                                                                                             | _Cnt_lgc                                                                                                                                                                                                                                                                                                                                                                                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | tgt_Pim_ShCurrCal                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                          |          |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Actual Value                                                                                                                               | Expected Value                                                                                                                                                                                                                                                                                                                                                                           | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10                                                                                                                                         | 10 ± 1                                                                                                                                                                                                                                                                                                                                                                                   | <b>-</b> |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CURROFF_INTIALISE                                                                                                                          | CURROFF_INTIALISE                                                                                                                                                                                                                                                                                                                                                                        | · ·      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0                                                                                                                                          | 0                                                                                                                                                                                                                                                                                                                                                                                        | -        |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3                                                                                                                                          | 3                                                                                                                                                                                                                                                                                                                                                                                        | •        |
| O NH-O NH-O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.79951966                                                                                                                                 | 1.79951966 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                      | <b></b>  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 111 000 1000                                                                                                                               | 1.7 333 1300 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                    |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.13700366                                                                                                                                 | 2.13700366 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                      |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                          | •        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2.13700366<br>2.13700366<br>110.404999                                                                                                     | 2.13700366 ± 0.0003<br>2.13700366 ± 0.0003<br>110.404999 ± 0.0003                                                                                                                                                                                                                                                                                                                        | •        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2.13700366<br>2.13700366<br>110.404999<br>27251.8008                                                                                       | 2.13700366 ± 0.0003<br>2.13700366 ± 0.0003<br>110.404999 ± 0.0003<br>27251.8008 ± 0.0003                                                                                                                                                                                                                                                                                                 |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2.13700366<br>2.13700366<br>110.404999<br>27251.8008<br>39016.2383                                                                         | 2.13700366 ± 0.0003<br>2.13700366 ± 0.0003<br>110.404999 ± 0.0003<br>27251.8008 ± 0.0003<br>39016.2383 ± 0.0003                                                                                                                                                                                                                                                                          |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2.13700366<br>2.13700366<br>110.404999<br>27251.8008<br>39016.2383<br>2.41001582                                                           | 2.13700366 ± 0.0003<br>2.13700366 ± 0.0003<br>110.404999 ± 0.0003<br>27251.8008 ± 0.0003<br>39016.2383 ± 0.0003<br>2.41001582 ± 0.0003                                                                                                                                                                                                                                                   |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                           | 2.13700366<br>2.13700366<br>110.404999<br>27251.8008<br>39016.2383<br>2.41001582<br>2.16096163                                             | 2.13700366 ± 0.0003<br>2.13700366 ± 0.0003<br>110.404999 ± 0.0003<br>27251.8008 ± 0.0003<br>39016.2383 ± 0.0003<br>2.41001582 ± 0.0003<br>2.16096163 ± 0.0003                                                                                                                                                                                                                            | 0        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                   | 2.13700366<br>2.13700366<br>110.404999<br>27251.8008<br>39016.2383<br>2.41001582<br>2.16096163<br>4.5                                      | 2.13700366 ± 0.0003<br>2.13700366 ± 0.0003<br>110.404999 ± 0.0003<br>27251.8008 ± 0.0003<br>39016.2383 ± 0.0003<br>2.41001582 ± 0.0003<br>2.16096163 ± 0.0003<br>4.5 ± 0.0003                                                                                                                                                                                                            | 0        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                                                                                                                                                                                                                        | 2.13700366<br>2.13700366<br>110.404999<br>27251.8008<br>39016.2383<br>2.41001582<br>2.16096163<br>4.5                                      | 2.13700366 ± 0.0003<br>2.13700366 ± 0.0003<br>110.404999 ± 0.0003<br>27251.8008 ± 0.0003<br>39016.2383 ± 0.0003<br>2.41001582 ± 0.0003<br>2.16096163 ± 0.0003<br>4.5 ± 0.0003                                                                                                                                                                                                            |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                                                                                                                                                                                        | 2.13700366<br>2.13700366<br>110.404999<br>27251.8008<br>39016.2383<br>2.41001582<br>2.16096163<br>4.5<br>3                                 | 2.13700366 ± 0.0003<br>2.13700366 ± 0.0003<br>110.404999 ± 0.0003<br>27251.8008 ± 0.0003<br>39016.2383 ± 0.0003<br>2.41001582 ± 0.0003<br>2.16096163 ± 0.0003<br>4.5 ± 0.0003<br>3 ± 0.0003<br>15487.3604 ± 0.0003                                                                                                                                                                       |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                                                                                                                                | 2.13700366<br>2.13700366<br>110.404999<br>27251.8008<br>39016.2383<br>2.41001582<br>2.16096163<br>4.5<br>3<br>15487.3604<br>12546.25       | 2.13700366 ± 0.0003<br>2.13700366 ± 0.0003<br>110.404999 ± 0.0003<br>27251.8008 ± 0.0003<br>39016.2383 ± 0.0003<br>2.41001582 ± 0.0003<br>2.16096163 ± 0.0003<br>4.5 ± 0.0003<br>3 ± 0.0003<br>15487.3604 ± 0.0003                                                                                                                                                                       |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                                                                | 2.13700366 2.13700366 110.404999 27251.8008 39016.2383 2.41001582 2.16096163 4.5 3 15487.3604 12546.25 33128.5508                          | 2.13700366 ± 0.0003<br>2.13700366 ± 0.0003<br>110.404999 ± 0.0003<br>27251.8008 ± 0.0003<br>39016.2383 ± 0.0003<br>2.41001582 ± 0.0003<br>2.16096163 ± 0.0003<br>4.5 ± 0.0003<br>3 ± 0.0003<br>15487.3604 ± 0.0003<br>12546.25 ± 0.0003<br>33128.5508 ± 0.001                                                                                                                            |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32                                                                                                         | 2.13700366 2.13700366 110.404999 27251.8008 39016.2383 2.41001582 2.16096163 4.5 3 15487.3604 12546.25 33128.5508 344.13501                | $2.13700366 \pm 0.0003$ $2.13700366 \pm 0.0003$ $110.404999 \pm 0.0003$ $27251.8008 \pm 0.0003$ $39016.2383 \pm 0.0003$ $2.41001582 \pm 0.0003$ $2.16096163 \pm 0.0003$ $4.5 \pm 0.0003$ $3 \pm 0.0003$ $15487.3604 \pm 0.0003$ $33128.5508 \pm 0.001$ $344.13501 \pm 0.0009765625$                                                                                                      |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetDo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                                                                                                | 2.13700366 2.13700366 110.404999 27251.8008 39016.2383 2.41001582 2.16096163 4.5 3 15487.3604 12546.25 33128.5508 344.13501 0              | $\begin{array}{c} 2.13700366 \pm 0.0003 \\ 2.13700366 \pm 0.0003 \\ 110.404999 \pm 0.0003 \\ 27251.8008 \pm 0.0003 \\ 39016.2383 \pm 0.0003 \\ 2.41001582 \pm 0.0003 \\ 2.16096163 \pm 0.0003 \\ 4.5 \pm 0.0003 \\ 3 \pm 0.0003 \\ 15487.3604 \pm 0.0003 \\ 32128.5508 \pm 0.001 \\ 344.13501 \pm 0.0009765625 \\ 0 \pm 1 \end{array}$                                                   |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetDo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrSumZero_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                 | 2.13700366 2.13700366 110.404999 27251.8008 39016.2383 2.41001582 2.16096163 4.5 3 15487.3604 12546.25 33128.5508 344.13501 0 12078.0166   | $\begin{array}{c} 2.13700366 \pm 0.0003 \\ 2.13700366 \pm 0.0003 \\ 110.404999 \pm 0.0003 \\ 27251.8008 \pm 0.0003 \\ 39016.2383 \pm 0.0003 \\ 2.41001582 \pm 0.0003 \\ 2.16096163 \pm 0.0003 \\ 4.5 \pm 0.0003 \\ 3 \pm 0.0003 \\ 15487.3604 \pm 0.0003 \\ 12546.25 \pm 0.0003 \\ 33128.5508 \pm 0.001 \\ 344.13501 \pm 0.0009765625 \\ 0 \pm 1 \\ 12078.0166 \pm 0.004 \\ \end{array}$ |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetDo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrSumZero_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.13700366 2.13700366 110.404999 27251.8008 39016.2383 2.41001582 2.16096163 4.5 3 15487.3604 12546.25 33128.5508 344.13501 0 12078.0166 3 | $\begin{array}{c} 2.13700366 \pm 0.0003 \\ 2.13700366 \pm 0.0003 \\ 110.404999 \pm 0.0003 \\ 27251.8008 \pm 0.0003 \\ 39016.2383 \pm 0.0003 \\ 2.41001582 \pm 0.0003 \\ 2.16096163 \pm 0.0003 \\ 4.5 \pm 0.0003 \\ 3 \pm 0.0003 \\ 15487.3604 \pm 0.0003 \\ 32128.5508 \pm 0.001 \\ 344.13501 \pm 0.0009765625 \\ 0 \pm 1 \\ 12078.0166 \pm 0.004 \\ 3 \pm 0.0003 \end{array}$           |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetDo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrSumZero_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                 | 2.13700366 2.13700366 110.404999 27251.8008 39016.2383 2.41001582 2.16096163 4.5 3 15487.3604 12546.25 33128.5508 344.13501 0 12078.0166   | $\begin{array}{c} 2.13700366 \pm 0.0003 \\ 2.13700366 \pm 0.0003 \\ 110.404999 \pm 0.0003 \\ 27251.8008 \pm 0.0003 \\ 39016.2383 \pm 0.0003 \\ 2.41001582 \pm 0.0003 \\ 2.16096163 \pm 0.0003 \\ 4.5 \pm 0.0003 \\ 3 \pm 0.0003 \\ 15487.3604 \pm 0.0003 \\ 12546.25 \pm 0.0003 \\ 33128.5508 \pm 0.001 \\ 344.13501 \pm 0.0009765625 \\ 0 \pm 1 \\ 12078.0166 \pm 0.004 \\ \end{array}$ |          |



| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.13 (Repeat Count = 1) Name                                                                                                                    | Input Value                    |                                                         |      |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------|------|--|
|                                                                                                                                                           | 11                             |                                                         |      |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr CurrOffState Uls M enum                                                                                   | CURROFF LOAVERAGE              |                                                         |      |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                                                       | 1                              |                                                         |      |  |
|                                                                                                                                                           |                                |                                                         |      |  |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                                                       | 3                              |                                                         |      |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                                                     | 3.25399995<br>2.804142         |                                                         |      |  |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                                                     |                                |                                                         |      |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                                                   | 2.804142                       |                                                         |      |  |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                                                        | 121.535004                     |                                                         |      |  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                                                        | 30192.9102                     |                                                         |      |  |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                                      | 41957.3516                     |                                                         |      |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                                                     | 2.22717118                     |                                                         |      |  |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                                                     | 2.48580837                     |                                                         |      |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                                                   | 4.5999999                      |                                                         |      |  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                                                        | 3                              |                                                         |      |  |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                                                        | 18428.4707                     |                                                         |      |  |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                                                                      | 15487.3604                     |                                                         |      |  |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                                                     | 39491.5234                     |                                                         |      |  |
| CmMtrCurr_VecuSum_Volt_M_f32                                                                                                                              | 355.265015                     |                                                         |      |  |
| Rte_Inst_Sa_CmMtrCurr                                                                                                                                     | tgt_Rte_Inst_Sa_CmMtrCurr      |                                                         |      |  |
| <pre>c_CurrOffNoofAvg_Cnt_u16</pre>                                                                                                                       | 35                             |                                                         |      |  |
| K_MaxCurrOffMtrVel_RadpS_f32                                                                                                                              | 6.92200041                     |                                                         |      |  |
| x_MtrCurrEOLMaxOffset_Volts_f32                                                                                                                           | 3                              |                                                         |      |  |
| MtrCurrEOLMinOffset_Volts_f32                                                                                                                             | 3                              |                                                         |      |  |
| <pre>c_MtrCurrOffLoComOff_Cnt_u16</pre>                                                                                                                   | 1050                           |                                                         |      |  |
| gt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                                                                                                             | 0.181411028                    |                                                         |      |  |
| gt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                                                                                                             | 3                              |                                                         |      |  |
| gt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                                                                                                               | 1118                           |                                                         |      |  |
| gt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                                                                                                     | 28.6460514                     |                                                         |      |  |
| gt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                                                                                                    | 35.6961212                     |                                                         |      |  |
| gt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                                                                                                                | 1                              |                                                         |      |  |
| gt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                                                           | 71382.9688                     |                                                         |      |  |
| gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                                                                                            | 1.16483665                     |                                                         |      |  |
| gt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                                                                                            | 2.15002513                     |                                                         |      |  |
| gt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                                                                          | 3                              |                                                         |      |  |
| gt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                                                                                          | 2.73837662                     |                                                         |      |  |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32                                                                                             | tgt_CmMtrCurr_Per3_ADCMtrCurr  | 1_Volts_f32                                             |      |  |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32                                                                                             | tgt_CmMtrCurr_Per3_ADCMtrCurr  | 2_Volts_f32                                             |      |  |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                 | tgt_CmMtrCurr_Per3_ComOffset_  | Cnt_u16                                                 |      |  |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32                                                                                               | tgt_CmMtrCurr_Per3_MtrVel_MtrR | adpS_f32                                                |      |  |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32                                                                                                     | tgt_CmMtrCurr_Per3_Vecu_Volt_f | 32                                                      |      |  |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32                                                                                                    | tgt_CmMtrCurr_Per3_VehSpd_Kpl  | 1_f32                                                   |      |  |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc                                                                                                | tgt_CmMtrCurr_Per3_VhSpdValid_ | _Cnt_lgc                                                |      |  |
| gt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                                                                                                    | tgt_Pim_ShCurrCal              |                                                         |      |  |
| Name                                                                                                                                                      | Actual Value                   | Expected Value                                          | Resu |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                                                     | 11                             | 11 ± 1                                                  |      |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                                                         | CURROFF_INTIALISE              | CURROFF_INTIALISE                                       |      |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                                                       | 0                              | 0                                                       |      |  |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                                                       | 3                              | 3                                                       |      |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                                                     | 3.25399995                     | 3.25399995 ± 0.0003                                     |      |  |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                                                     | 2.804142                       | 2.804142 ± 0.0003                                       |      |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                                                   | 2.804142                       | 2.804142 ± 0.0003                                       |      |  |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                                                        | 121.535004                     | 121.535004 ± 0.0003                                     |      |  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                                                        | 30192.9102                     | 30192.9102 ± 0.0003                                     |      |  |
| CmMtrCurr MtrCurr1SumZero Volt M f32                                                                                                                      | 41957.3516                     | 41957.3516 ± 0.0003                                     |      |  |
|                                                                                                                                                           | 2.22717118                     | 2.22717118 ± 0.0003                                     |      |  |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                                                                                                                     |                                |                                                         |      |  |
|                                                                                                                                                           |                                | 2.48580837 ± 0.0003                                     |      |  |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                                                     | 2.48580837                     | 2.48580837 ± 0.0003<br>4.5999999 ± 0.0003               |      |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32  CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32  CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32  CmMtrCurr MtrCurr2SumHi Volt M f32 |                                | 2.48580837 ± 0.0003<br>4.5999999 ± 0.0003<br>3 ± 0.0003 |      |  |

18428.4707

15487.3604

39491.5234

355.265015

 $CmMtrCurr\_MtrCurr2SumLo\_Volt\_M\_f32$ 

CmMtrCurr\_MtrCurr2SumZero\_Volt\_M\_f32

CmMtrCurr\_MtrCurrValCmd\_VoltCnt\_M\_f32 CmMtrCurr\_VecuSum\_Volt\_M\_f32 18428.4707 ± 0.0003

15487.3604 ± 0.0003

355.265015 ± 0.0009765625

39491.5234 ± 0.001

0 ± 1





| Name                                              | Actual Value | Expected Value      | Result   |
|---------------------------------------------------|--------------|---------------------|----------|
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 71382.9688   | 71382.9688 ± 0.004  | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.16483665   | 1.16483665 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.15002513   | 2.15002513 ± 0.0003 | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003          | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.73837662   | 2.73837662 ± 0.0003 | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.14 (Repeat Count = 1)                              |                            |               |                      | <b>✓</b>     |
|----------------------------------------------------------------|----------------------------|---------------|----------------------|--------------|
| Name                                                           | Input Value                |               |                      |              |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 12                         |               |                      |              |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE          |               |                      |              |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                          |               |                      |              |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 1                          |               |                      |              |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 3.98539996                 |               |                      |              |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 2.64458537                 |               |                      |              |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 2.64458537                 |               |                      |              |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 132.664993                 |               |                      |              |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 33134.0195                 |               |                      |              |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 44898.4609                 |               |                      |              |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 2.52430105                 |               |                      |              |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 3.2650001                  |               |                      |              |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 4.69999981                 |               |                      |              |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 3                          |               |                      |              |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 21369.5801                 |               |                      |              |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 18428.4707                 |               |                      |              |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 30300.1953                 |               |                      |              |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 366.394989                 |               |                      |              |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr  |               |                      |              |
| k_CurrOffNoofAvg_Cnt_u16                                       | 40                         |               |                      |              |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 19.1226902                 |               |                      |              |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 3                          |               |                      |              |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 3                          |               |                      |              |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 1100                       |               |                      |              |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 1.65613079                 |               |                      |              |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 1.18903208                 |               |                      |              |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 314.5                      |               |                      |              |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 16.249506                  |               |                      |              |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 15.6099243                 |               |                      |              |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 0                          |               |                      |              |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 18406.1914                 |               |                      |              |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 2.08178854                 |               |                      |              |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                          |               |                      |              |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1.59187484                 |               |                      |              |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                          |               |                      |              |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr  |               |                      |              |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr  |               |                      |              |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOff  |               |                      |              |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_ |               |                      |              |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_V  |               |                      |              |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd  |               |                      |              |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CmMtrCurr_Per3_VhSpd\  | /alid_Cnt_lgc |                      |              |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal          |               |                      | <br><b>.</b> |
| Name CmMtrCurr CurrOffAvgCounter Cnt M u16                     | Actual Value               |               | expected Value 2 ± 1 | Result       |
| Chimili Cun ChavgCounter_Cht_ivi_u to                          | 12                         | 1             | <b>4 I</b> I         | <b>–</b>     |

| Name                                    | Actual Value      | Expected Value      | Result   |
|-----------------------------------------|-------------------|---------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 12                | 12 ± 1              | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_INTIALISE | CURROFF_INTIALISE   | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 0                 | 0                   | <b>✓</b> |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3                 | 3                   | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 3.98539996        | 3.98539996 ± 0.0003 | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 2.64458537        | 2.64458537 ± 0.0003 | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 2.64458537        | 2.64458537 ± 0.0003 | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 132.664993        | 132.664993 ± 0.0003 | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 33134.0195        | 33134.0195 ± 0.0003 | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 44898.4609        | 44898.4609 ± 0.0003 | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 2.52430105        | 2.52430105 ± 0.0003 | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 3.2650001         | 3.2650001 ± 0.0003  | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 4.69999981        | 4.69999981 ± 0.0003 | <b>✓</b> |





| Name                                              | Actual Value | Expected Value            | Result |
|---------------------------------------------------|--------------|---------------------------|--------|
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 3            | 3 ± 0.0003                | •      |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 21369.5801   | 21369.5801 ± 0.0003       | •      |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 18428.4707   | 18428.4707 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 30300.1953   | 30300.1953 ± 0.001        | ~      |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 366.394989   | 366.394989 ± 0.0009765625 | ~      |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0            | 0 ± 1                     | _      |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 18406.1914   | 18406.1914 ± 0.004        | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.08178854   | 2.08178854 ± 0.0003       | •      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3            | 3 ± 0.0003                | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.59187484   | 1.59187484 ± 0.0003       | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003                | ~      |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~        |

| Name                                                                                                        | Input Value                            |                   |      |
|-------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------|------|
| CmMtrCurr CurrOffAvgCounter Cnt M u16                                                                       | 13                                     |                   |      |
|                                                                                                             | CURROFF INTIALISE                      |                   |      |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                           | 1                                      |                   |      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                         | 2                                      |                   |      |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                         |                                        |                   |      |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                       | 1.69485998                             |                   |      |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                       | 2.66018128                             |                   |      |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                     | 2.66018128                             |                   |      |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                          | 143.794998                             |                   |      |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                          | 36075.1289                             |                   |      |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                        | 47839.5703                             |                   |      |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                       | 2.94962287                             |                   |      |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                       | 1.73390043                             |                   |      |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                     | 4.80000019                             |                   |      |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                          | 1.62268472                             |                   |      |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                          | 24310.6895                             |                   |      |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                        | 21369.5801                             |                   |      |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                       | 3181.11108                             |                   |      |
| CmMtrCurr_VecuSum_Volt_M_f32                                                                                | 377.524994                             |                   |      |
| Rte_Inst_Sa_CmMtrCurr                                                                                       | tgt_Rte_Inst_Sa_CmMtrCurr              |                   |      |
| k_CurrOffNoofAvg_Cnt_u16                                                                                    | 45                                     |                   |      |
| k_MaxCurrOffMtrVel_RadpS_f32                                                                                | -15.0795383                            |                   |      |
| k_MtrCurrEOLMaxOffset_Volts_f32                                                                             | 2.20697141                             |                   |      |
| k_MtrCurrEOLMinOffset_Volts_f32                                                                             | 2.93438244                             |                   |      |
| k_MtrCurrOffLoComOff_Cnt_u16                                                                                | 1150                                   |                   |      |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                                                              | 3                                      |                   |      |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                                                              | 0.941128969                            |                   |      |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                                                                | 0                                      |                   |      |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                                                      | 8.32323647                             |                   |      |
| tgt CmMtrCurr Per3 VehSpd Kph f32.value                                                                     | 162.35289                              |                   |      |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                                                                 | 0                                      |                   |      |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32                                                            | 57525.4609                             |                   |      |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                                                             | 3                                      |                   |      |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                                                             | 3                                      |                   |      |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32                                                           | 2.54585195                             |                   |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                                           | 2.38396788                             |                   |      |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr1 Volts f32                                              | tgt CmMtrCurr Per3 ADCMtrCurr1 Volts f | 32                |      |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32                                              | tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f |                   |      |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16                                                  | tgt CmMtrCurr Per3 ComOffset Cnt u16   | <u></u>           |      |
| tgt_Rte_Inst_Sa_Crimiticum.crimiticum_rers_comoniset_crit_uro                                               | tgt CmMtrCurr Per3 MtrVel MtrRadpS f32 | )                 |      |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 Vecu Volt f32                                                      | tgt CmMtrCurr Per3 Vecu Volt f32       | -                 |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32                                                     | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32      |                   |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc                                                 | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc  |                   |      |
| tgt_Rte_inst_Sa_CrimitiCurr.CrimitiCurr_Pers_vrispdvalid_Crit_igc tgt_Rte_inst_Sa_CrimitiCurr.Pim_ShCurrCal |                                        |                   |      |
|                                                                                                             | tgt_Pim_ShCurrCal                      | Formanda d Malana | l n  |
| Name                                                                                                        | Actual Value                           | Expected Value    | Resu |

| Name                                    | Actual Value      | Expected Value      | Result   |
|-----------------------------------------|-------------------|---------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 13                | 13 ± 1              | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_INTIALISE | CURROFF_INTIALISE   | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 0                 | 0                   | <b>✓</b> |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3                 | 3                   | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 1.69485998        | 1.69485998 ± 0.0003 | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 2.66018128        | 2.66018128 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 2.66018128        | 2.66018128 ± 0.0003 | ✓        |





| Name                                              | Actual Value | Expected Value            | Result   |
|---------------------------------------------------|--------------|---------------------------|----------|
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 143.794998   | 143.794998 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 36075.1289   | 36075.1289 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 47839.5703   | 47839.5703 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 2.94962287   | 2.94962287 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 1.73390043   | 1.73390043 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 4.80000019   | 4.80000019 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 1.62268472   | 1.62268472 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 24310.6895   | 24310.6895 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 21369.5801   | 21369.5801 ± 0.0003       | •        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 3181.11108   | 3181.11108 ± 0.001        | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 377.524994   | 377.524994 ± 0.0009765625 | •        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0            | 0 ± 1                     | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 57525.4609   | 57525.4609 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3            | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3            | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.54585195   | 2.54585195 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.38396788   | 2.38396788 ± 0.0003       | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |          |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|--|
| Actual Function                               | Count | Expected Function                             | Count | Result   |  |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |  |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |  |

| Test Step 2.16 (Repeat Count = 1)                              |                              |                |                                       |
|----------------------------------------------------------------|------------------------------|----------------|---------------------------------------|
|                                                                | Immut Value                  |                |                                       |
| Name                                                           | Input Value                  |                |                                       |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | CURROFF HIAVERAGE            |                |                                       |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | -                            |                |                                       |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                            |                |                                       |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 1                            |                |                                       |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 3.75889993                   |                |                                       |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 1.78107488                   |                |                                       |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 1.78107488                   |                |                                       |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 154.925003                   |                |                                       |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 39016.2383                   |                |                                       |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 154.925003                   |                |                                       |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 2.03602362                   |                |                                       |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 3.98749995                   |                |                                       |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 2.92550302                   |                |                                       |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 1.3337326                    |                |                                       |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 27251.8008                   |                |                                       |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 24310.6895                   |                |                                       |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 3614.49951                   |                |                                       |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 388.654999                   |                |                                       |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr    |                |                                       |
| k_CurrOffNoofAvg_Cnt_u16                                       | 50                           |                |                                       |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | -4.23487806                  |                |                                       |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 1.40606785                   |                |                                       |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 3                            |                |                                       |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 1200                         |                |                                       |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 3                            |                |                                       |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 1.92189884                   |                |                                       |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | -610.5                       |                |                                       |
| tgt CmMtrCurr Per3 Vecu Volt f32.value                         | 30.7622643                   |                |                                       |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 214.670868                   |                |                                       |
| tgt CmMtrCurr Per3 VhSpdValid Cnt lgc.value                    | 1                            |                |                                       |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32               | 14597.293                    |                |                                       |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                | 1.34711111                   |                |                                       |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                            |                |                                       |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32              | 1.97548544                   |                |                                       |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32              | 2.10774446                   |                |                                       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCu  | urr1 Volts f32 |                                       |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32 | tgt CmMtrCurr Per3 ADCMtrCu  |                |                                       |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16     | tgt CmMtrCurr Per3 ComOffse  |                |                                       |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32   | tgt CmMtrCurr Per3 MtrVel Mt |                |                                       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt | · <del>-</del> |                                       |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32        | tgt CmMtrCurr Per3 VehSpd h  | _              |                                       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdVal  | · <del>-</del> |                                       |
|                                                                |                              | a_onc_igo      |                                       |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal            | F              |                                       |
| Name                                                           | Actual Value                 | Expected Value | Resul                                 |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 14                           | 14 ± 1         | · · · · · · · · · · · · · · · · · · · |





| Name                                              | Actual Value      | Expected Value            | Result   |
|---------------------------------------------------|-------------------|---------------------------|----------|
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_INTIALISE | CURROFF_INTIALISE         | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 0                 | 0                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 3                 | 3                         | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 3.75889993        | 3.75889993 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 1.78107488        | 1.78107488 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 1.78107488        | 1.78107488 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 154.925003        | 154.925003 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 39016.2383        | 39016.2383 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 154.925003        | 154.925003 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 2.03602362        | 2.03602362 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 3.98749995        | 3.98749995 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.92550302        | 2.92550302 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 1.3337326         | 1.3337326 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 27251.8008        | 27251.8008 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 24310.6895        | 24310.6895 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 3614.49951        | 3614.49951 ± 0.001        | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 388.654999        | 388.654999 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                 | 0 ± 1                     | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 14597.293         | 14597.293 ± 0.004         | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.34711111        | 1.34711111 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.97548544        | 1.97548544 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.10774446        | 2.10774446 ± 0.0003       | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |          |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|--|
| Actual Function                               | Count | Expected Function                             | Count | Result   |  |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |  |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |  |

| Test Step 2.17 (Repeat Count = 1)                              | <b>→</b>                                 |
|----------------------------------------------------------------|------------------------------------------|
| Name                                                           | Input Value                              |
| CmMtrCurr CurrOffAvgCounter Cnt M u16                          | 15                                       |
| CmMtrCurr CurrOffState Uls M enum                              | CURROFF CALC                             |
| CmMtrCurr CurrOffTrimFlag Cnt M lgc                            | 1                                        |
| CmMtrCurr CurroffProcessFlag M enum                            | 0                                        |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 2.40540409                               |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 3.32500005                               |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                        | 3.32500005                               |
| CmMtrCurr MtrCurr1SumHi Volt M f32                             | 166,054993                               |
| CmMtrCurr MtrCurr1SumLo Volt M f32                             | 41957,3516                               |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 166.054993                               |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                          | 2.75222397                               |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                          | 1,9196099                                |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32                        | 1.38621521                               |
| CmMtrCurr MtrCurr2SumHi Volt M f32                             | 2.40841341                               |
| CmMtrCurr MtrCurr2SumLo Volt M f32                             | 30192.9102                               |
| CmMtrCurr MtrCurr2SumZero Volt M f32                           | 27251.8008                               |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                          | 20083.1113                               |
| CmMtrCurr VecuSum Volt M f32                                   | 399.785004                               |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr                |
| k CurrOffNoofAvg Cnt u16                                       | 55                                       |
| k MaxCurrOffMtrVel RadpS f32                                   | 0.204714358                              |
| k MtrCurrEOLMaxOffset Volts f32                                | 2.71582174                               |
| k MtrCurrEOLMinOffset Volts f32                                | 2.60700464                               |
| k MtrCurrOffLoComOff Cnt u16                                   | 1250                                     |
| tgt CmMtrCurr Per3 ADCMtrCurr1 Volts f32.value                 | 1,49414468                               |
| tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32.value                 | 1.01840758                               |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | -616.203186                              |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 26.5270271                               |
| tgt CmMtrCurr Per3 VehSpd Kph f32.value                        | 0                                        |
| tgt CmMtrCurr Per3 VhSpdValid Cnt Igc.value                    | 0                                        |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32               | 55094.5625                               |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                | 1.94090986                               |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                | 3                                        |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32              | 3                                        |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32              | 2.16279387                               |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16     | tgt CmMtrCurr Per3 ComOffset Cnt u16     |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   |
| G                                                              | [3_2                                     |





| Name                                                        | Input Value                           |                           |        |
|-------------------------------------------------------------|---------------------------------------|---------------------------|--------|
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32      | tgt_CmMtrCurr_Per3_Vecu_Volt_f32      |                           |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32     | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32     |                           |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc |                           |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                     | tgt_Pim_ShCurrCal                     |                           |        |
| Name                                                        | Actual Value                          | Expected Value            | Result |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                       | 15                                    | 15 ± 1                    | ~      |
| CmMtrCurr_CurrOffState_Uls_M_enum                           | CURROFF_INTIALISE                     | CURROFF_INTIALISE         | ~      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                         | 0                                     | 0                         | ~      |
| CmMtrCurr_CurroffProcessFlag_M_enum                         | 3                                     | 3                         | ~      |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                       | 2.40540409                            | 2.40540409 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                       | 3.32500005                            | 3.32500005 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                     | 3.32500005                            | 3.32500005 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                          | 166.054993                            | 166.054993 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                          | 41957.3516                            | 41957.3516 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                        | 166.054993                            | 166.054993 ± 0.0003       | •      |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                       | 2.75222397                            | 2.75222397 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                       | 1.9196099                             | 1.9196099 ± 0.0003        | ~      |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                     | 1.38621521                            | 1.38621521 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                          | 2.40841341                            | 2.40841341 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                          | 30192.9102                            | 30192.9102 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                        | 27251.8008                            | 27251.8008 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                       | 20083.1113                            | 20083.1113 ± 0.001        | ~      |
| CmMtrCurr_VecuSum_Volt_M_f32                                | 399.785004                            | 399.785004 ± 0.0009765625 | ~      |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                  | 0                                     | 0 ± 1                     | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32            | 55094.5625                            | 55094.5625 ± 0.004        | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32             | 1.94090986                            | 1.94090986 ± 0.0003       | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32             | 3                                     | 3 ± 0.0003                | •      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32           | 3                                     | 3 ± 0.0003                | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32           | 2.16279387                            | 2.16279387 ± 0.0003       | ~      |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.18 (Repeat Count = 1)                | Invest Walter             |
|--------------------------------------------------|---------------------------|
| Name                                             | Input Value               |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16            | 16                        |
| CmMtrCurr_CurrOffState_Uls_M_enum                | CURROFF_INTIALISE         |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc              | 1                         |
| CmMtrCurr_CurroffProcessFlag_M_enum              | 2                         |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32            | 3                         |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32            | 2.06366134                |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32          | 2.06366134                |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32               | 12546.25                  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32               | 44898.4609                |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32             | 177.184998                |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32            | 3                         |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32            | 2.44942665                |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32          | 2.3681531                 |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32               | 1.37339675                |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32               | 33134.0195                |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32             | 30192.9102                |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32            | 32372.3828                |
| CmMtrCurr_VecuSum_Volt_M_f32                     | 410.915009                |
| Rte_Inst_Sa_CmMtrCurr                            | tgt_Rte_Inst_Sa_CmMtrCurr |
| k_CurrOffNoofAvg_Cnt_u16                         | 60                        |
| k_MaxCurrOffMtrVel_RadpS_f32                     | 16.9027214                |
| k_MtrCurrEOLMaxOffset_Volts_f32                  | 1.87792957                |
| k_MtrCurrEOLMinOffset_Volts_f32                  | 2.25015759                |
| k_MtrCurrOffLoComOff_Cnt_u16                     | 1300                      |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value   | 3                         |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value   | 1.36242628                |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value     | -103.677658               |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value           | 23.799696                 |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value          | 255                       |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value      | 1                         |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 | 33462.3984                |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  | 1.43301225                |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32  | 2.2017374                 |

 $tgt\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32$ 

tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32

tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32

tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32

 $tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32$ 





| Name                                                           | Input Value                     |                                          |          |  |  |
|----------------------------------------------------------------|---------------------------------|------------------------------------------|----------|--|--|
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1.4267602                       |                                          |          |  |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1.13100731                      |                                          |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr   | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr   | 2_Volts_f32                              |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_0  | Cnt_u16                                  |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrR  | adpS_f32                                 |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f3 | 32                                       |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph   | 1_f32                                    |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_  | _Cnt_lgc                                 |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal               |                                          |          |  |  |
| Name                                                           | Actual Value                    | Expected Value                           | Result   |  |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 16                              | 16 ± 1                                   | -        |  |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE               | CURROFF_INTIALISE                        | -        |  |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 0                               | 0                                        | -        |  |  |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 3                               | 3                                        | <b>✓</b> |  |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 3                               | 3 ± 0.0003                               | -        |  |  |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 2.06366134                      | 2.06366134 ± 0.0003                      | <b>✓</b> |  |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 2.06366134                      | 2.06366134 ± 0.0003                      | <b>✓</b> |  |  |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 12546.25                        | 12546.25 ± 0.0003                        | <b>✓</b> |  |  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 44898.4609                      | 44898.4609 ± 0.0003                      | -        |  |  |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 177.184998                      | 177.184998 ± 0.0003                      | <b>✓</b> |  |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 3                               | 3 ± 0.0003                               | -        |  |  |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 2.44942665                      | 2.44942665 ± 0.0003                      | <b>✓</b> |  |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 2.3681531                       | 2.3681531 ± 0.0003                       | <b>✓</b> |  |  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 1.37339675                      | 1.37339675 ± 0.0003                      | <b>✓</b> |  |  |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 33134.0195                      | 33134.0195 ± 0.0003                      | <b>✓</b> |  |  |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 30192.9102                      | 30192.9102 ± 0.0003                      | <b>→</b> |  |  |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 32372.3828                      | 32372.3828 ± 0.001                       | <b>→</b> |  |  |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 410.915009                      | 410.915009 ± 0.0009765625                | <b>→</b> |  |  |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                     | 0                               | 0 ± 1                                    | <b>→</b> |  |  |
|                                                                |                                 |                                          |          |  |  |

| Test Step Call Trace                          |       |                                               |       |          |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|--|
| Actual Function                               | Count | Expected Function                             | Count | Result   |  |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |  |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |  |

33462.3984

1.43301225

2.2017374

1.4267602

1.13100731

33462.3984 ± 0.004

1.43301225 ± 0.0003

2.2017374 ± 0.0003

1.4267602 ± 0.0003

1.13100731 ± 0.0003

| Test Step 2.19 (Repeat Count = 1)              |                           |
|------------------------------------------------|---------------------------|
| Name                                           | Input Value               |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16          | 17                        |
| CmMtrCurr_CurrOffState_Uls_M_enum              | CURROFF_HIAVERAGE         |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc            | 1                         |
| CmMtrCurr_CurroffProcessFlag_M_enum            | 2                         |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32          | 4.52099991                |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32          | 3.98569989                |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32        | 3.98569989                |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32             | 15487.3604                |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32             | 47839.5703                |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32           | 188.315002                |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32          | 2.18046904                |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32          | 1.66692173                |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32        | 1.1426152                 |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32             | 1.4738692                 |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32             | 36075.1289                |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32           | 33134.0195                |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32          | 25421.9316                |
| CmMtrCurr_VecuSum_Volt_M_f32                   | 422.045013                |
| Rte_Inst_Sa_CmMtrCurr                          | tgt_Rte_Inst_Sa_CmMtrCurr |
| k_CurrOffNoofAvg_Cnt_u16                       | 65                        |
| k_MaxCurrOffMtrVel_RadpS_f32                   | -13.0541534               |
| k_MtrCurrEOLMaxOffset_Volts_f32                | 1.67999744                |
| k_MtrCurrEOLMinOffset_Volts_f32                | 2.30098414                |
| k_MtrCurrOffLoComOff_Cnt_u16                   | 1350                      |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value | 3                         |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value | 0.179735422               |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value   | -677.520386               |

CmMtrCurr\_Per3



| Name                                                           | Input Value                              |                |        |
|----------------------------------------------------------------|------------------------------------------|----------------|--------|
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 15.8433237                               |                |        |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 185.5                                    | 185.5          |        |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 0                                        |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 53783.1406                               |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 1.19870925                               |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                                        |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.58489704                               |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1.38878167                               |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16     |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVe                 | I_MtrRadpS_f32 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_                 | Volt_f32       |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32        |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                        |                |        |
| Namo                                                           | Actual Value                             | Expected Value | Pocult |

| igi_Rie_insi_5a_Chimiticum.Pim_Shcuricai          | Igi_Pilli_Silculical |                           |          |
|---------------------------------------------------|----------------------|---------------------------|----------|
| Name                                              | Actual Value         | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 17                   | 17 ± 1                    | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_INTIALISE    | CURROFF_INTIALISE         | <b>~</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 0                    | 0                         | <b>~</b> |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 3                    | 3                         | <b>~</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 4.52099991           | 4.52099991 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 3.98569989           | 3.98569989 ± 0.0003       | <b>~</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 3.98569989           | 3.98569989 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 15487.3604           | 15487.3604 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 47839.5703           | 47839.5703 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 188.315002           | 188.315002 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 2.18046904           | 2.18046904 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 1.66692173           | 1.66692173 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 1.1426152            | 1.1426152 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 1.4738692            | 1.4738692 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 36075.1289           | 36075.1289 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 33134.0195           | 33134.0195 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 25421.9316           | 25421.9316 ± 0.001        | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 422.045013           | 422.045013 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                    | 0 ± 1                     | <b>~</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 53783.1406           | 53783.1406 ± 0.004        | <b>~</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.19870925           | 1.19870925 ± 0.0003       | <b>~</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                    | 3 ± 0.0003                | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.58489704           | 2.58489704 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.38878167           | 1.38878167 ± 0.0003       | ~        |
|                                                   |                      |                           |          |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.20 (Repeat Count = 1)       |                           |
|-----------------------------------------|---------------------------|
| Name                                    | Input Value               |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 18                        |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_ZEROAVERAGE       |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                         |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 1                         |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 4.0999999                 |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 1.93872654                |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 1.93872654                |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 18428.4707                |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 1.82349932                |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 199.445007                |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 1.71042848                |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 2.90609932                |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 3                         |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32      | 3                         |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32      | 39016.2383                |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32    | 36075.1289                |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32   | 31522.125                 |
| CmMtrCurr_VecuSum_Volt_M_f32            | 433.174988                |
| Rte_Inst_Sa_CmMtrCurr                   | tgt_Rte_Inst_Sa_CmMtrCurr |
| k_CurrOffNoofAvg_Cnt_u16                | 70                        |
| k_MaxCurrOffMtrVel_RadpS_f32            | 13.8425341                |

2016-07-24, 12:40:56+0530



CmMtrCurr\_Per3

| Cmintrourr_Per3                                                |                                 |                           | MACITAL  |
|----------------------------------------------------------------|---------------------------------|---------------------------|----------|
| Name                                                           | Input Value                     |                           |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 2.7211206                       |                           |          |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 2.02014756                      |                           |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 1400                            |                           |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 0.224947453                     |                           |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 1.9297123                       |                           |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 396.243774                      |                           |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 5.44003773                      |                           |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 126.843292                      |                           |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 0                               |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 1546.61206                      |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                               |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 1.69203067                      |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 3                               |                           |          |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32              | 1.44071484                      |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr   | 1 Volts f32               |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32 | tgt CmMtrCurr Per3 ADCMtrCurr   |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_0  | Cnt_u16                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrR  | adpS_f32                  |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 Vecu Volt f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f3 |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph   |                           |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VhSpdValid Cnt Igc    | tgt CmMtrCurr Per3 VhSpdValid   |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal               |                           |          |
| Name                                                           | Actual Value                    | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 18                              | 18 ± 1                    | <b>✓</b> |
| CmMtrCurr CurrOffState Uls M enum                              | CURROFF INTIALISE               | CURROFF INTIALISE         | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 0                               | 0                         | _        |
| CmMtrCurr CurroffProcessFlag M enum                            | 3                               | 3                         | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 4.0999999                       | 4.0999999 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 1.93872654                      | 1.93872654 ± 0.0003       | <b>✓</b> |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                        | 1.93872654                      | 1.93872654 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 18428.4707                      | 18428.4707 ± 0.0003       | <b>✓</b> |
| CmMtrCurr MtrCurr1SumLo Volt M f32                             | 1.82349932                      | 1.82349932 ± 0.0003       | <b>✓</b> |
| CmMtrCurr MtrCurr1SumZero Volt M f32                           | 199.445007                      | 199.445007 ± 0.0003       | •        |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                          | 1.71042848                      | 1.71042848 ± 0.0003       | _        |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                          | 2.90609932                      | 2.90609932 ± 0.0003       | •        |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32                        | 3                               | 3 ± 0.0003                |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 3                               | 3 ± 0.0003                | <b>~</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 39016.2383                      | 39016.2383 ± 0.0003       | _        |
| CmMtrCurr MtrCurr2SumZero Volt M f32                           | 36075.1289                      | 36075.1289 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 31522.125                       | 31522.125 ± 0.001         | _        |
| CmMtrCurr VecuSum Volt M f32                                   | 433.174988                      | 433.174988 ± 0.0009765625 |          |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                     | 0                               | 0 ± 1                     | _        |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32               | 1546.61206                      | 1546.61206 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                               | 3 ± 0.0003                |          |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                | 1.69203067                      | 1.69203067 ± 0.0003       | ·        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 3                               | 3 ± 0.0003                |          |
| tat Dim ShCurrCal EQL MtrCurr2OffeetDiff Valta f22             | 1 44071404                      | 1 44071494 + 0 0003       |          |

| Test Step Call Trace                          |       |                                               |       |          |  |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|--|--|
| Actual Function                               | Count | Expected Function                             | Count | Result   |  |  |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |  |  |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>~</b> |  |  |

1.44071484

1.44071484 ± 0.0003

| Test Step 2.21 (Repeat Count = 1)       |                   |
|-----------------------------------------|-------------------|
| Name                                    | Input Value       |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 19                |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_HIAVERAGE |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                 |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 2                 |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 4.19999981        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 2.69017243        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 2.69017243        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 21369.5801        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 2.74343467        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 210.574997        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 3                 |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 1.57607889        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 3                 |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32      | 25.1210327        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32      | 41957.3516        |

 $tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32$ 

2016-07-24, 12:40:56+0530



CmMtrCurr\_Per3

| Name                                                           | Input Value                    |                   |        |
|----------------------------------------------------------------|--------------------------------|-------------------|--------|
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 39016.2383                     |                   |        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 72475.2188                     |                   |        |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 444.304993                     |                   |        |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr      |                   |        |
| k_CurrOffNoofAvg_Cnt_u16                                       | 75                             |                   |        |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 6.76178551                     |                   |        |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 3                              |                   |        |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 3                              |                   |        |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 1450                           |                   |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 3                              |                   |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 0.824068785                    |                   |        |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | -167.069183                    |                   |        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 9.52959633                     |                   |        |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 249.121536                     | 249.121536        |        |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                              |                   |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 27077.7988                     |                   |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 1.92295754                     |                   |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                              |                   |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 3                              |                   |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                              |                   |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr  | r1_Volts_f32      |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr  | r2_Volts_f32      |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_  | Cnt_u16           |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrF | RadpS_f32         |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_t | 732               |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kp   | h_f32             |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid  | _Cnt_lgc          |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal              |                   |        |
| Name                                                           | Actual Value                   | Expected Value    | Result |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 19                             | 19 ± 1            | •      |
| Orandarous Ouranoffotata III- M. annua                         | CURROLE INITIALIOE             | OUDDOES INTIALIOS |        |

| @CC                                               | 1912-1112-1112-11 |                           |          |
|---------------------------------------------------|-------------------|---------------------------|----------|
| Name                                              | Actual Value      | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 19                | 19 ± 1                    | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_INTIALISE | CURROFF_INTIALISE         | •        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 0                 | 0                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 3                 | 3                         | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 4.19999981        | 4.19999981 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 2.69017243        | 2.69017243 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 2.69017243        | 2.69017243 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 21369.5801        | 21369.5801 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 2.74343467        | 2.74343467 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 210.574997        | 210.574997 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | •        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 1.57607889        | 1.57607889 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 3                 | 3 ± 0.0003                | •        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 25.1210327        | 25.1210327 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 41957.3516        | 41957.3516 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 39016.2383        | 39016.2383 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 72475.2188        | 72475.2188 ± 0.001        | •        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 444.304993        | 444.304993 ± 0.0009765625 | •        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                 | 0 ± 1                     | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 27077.7988        | 27077.7988 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.92295754        | 1.92295754 ± 0.0003       | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                 | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                 | 3 ± 0.0003                | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |        |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|--|
| Actual Function                               | Count | Expected Function                             | Count | Result |  |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |  |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | •      |  |

| Test Step 2.22 (Repeat Count = 1)       |                   | <u>✓</u> |
|-----------------------------------------|-------------------|----------|
| Name                                    | Input Value       |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 20                |          |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_INTIALISE |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                 |          |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 0                 |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 4.30000019        |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 2.3003974         |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 2.3003974         |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 24310.6895        |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 1.34184277        |          |

2016-07-24, 12:40:56+0530



CmMtrCurr\_Per3 Input Value  $CmMtrCurr\_MtrCurr1SumZero\_Volt\_M\_f32$ 221.705002 CmMtrCurr\_MtrCurr2OffsetHi\_Volt\_M\_f32 CmMtrCurr\_MtrCurr2OffsetLo\_Volt\_M\_f32 3 CmMtrCurr\_MtrCurr2OffsetZero\_Volt\_M\_f32 CmMtrCurr\_MtrCurr2SumHi\_Volt\_M\_f32 23.8775063  $CmMtrCurr\_MtrCurr2SumLo\_Volt\_M\_f32$ 44898.4609 CmMtrCurr\_MtrCurr2SumZero\_Volt\_M\_f32 41957.3516  $CmMtrCurr\_MtrCurrValCmd\_VoltCnt\_M\_f32$ 46984.3398 CmMtrCurr\_VecuSum\_Volt\_M\_f32 455.434998 Rte\_Inst\_Sa\_CmMtrCurr tgt\_Rte\_Inst\_Sa\_CmMtrCurr k\_CurrOffNoofAvg\_Cnt\_u16 k\_MaxCurrOffMtrVel\_RadpS\_f32 -18 0829964 k\_MtrCurrEOLMaxOffset\_Volts\_f32 1.20897365 k MtrCurrEOLMinOffset\_Volts\_f32 3 k\_MtrCurrOffLoComOff\_Cnt\_u16 1500 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32.value 2.09947371  $tgt\_CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32.value$ 2.35451436 tgt\_CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32.value 265.244537  $tgt\_CmMtrCurr\_Per3\_Vecu\_Volt\_f32.value$ 18.7624416 tgt\_CmMtrCurr\_Per3\_VehSpd\_Kph\_f32.value 97.4316254 tgt\_CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc.value 0 tgt\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32 12611.4561  $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32$ 1.57766676 tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32 2.70045638  $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32$  $tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32$ 1.75820065 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32$ tgt\_CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32 tgt\_CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32 tgt\_CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_Vecu\_Volt\_f32 tgt\_CmMtrCurr\_Per3\_Vecu\_Volt\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_VehSpd\_Kph\_f32 tgt\_CmMtrCurr\_Per3\_VehSpd\_Kph\_f32 tgt CmMtrCurr Per3 VhSpdValid Cnt Igc tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VhSpdValid Cnt Igc tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_ShCurrCal tgt\_Pim\_ShCurrCal

| Name                                              | Actual Value      | Expected Value            | Result   |
|---------------------------------------------------|-------------------|---------------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 20                | 20 ± 1                    | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_INTIALISE | CURROFF_INTIALISE         | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 0                 | 0                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 3                 | 3                         | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 4.30000019        | 4.30000019 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 2.3003974         | 2.3003974 ± 0.0003        | ~        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 2.3003974         | 2.3003974 ± 0.0003        | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 24310.6895        | 24310.6895 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 1.34184277        | 1.34184277 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 221.705002        | 221.705002 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 3                 | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 3                 | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 23.8775063        | 23.8775063 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 44898.4609        | 44898.4609 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 41957.3516        | 41957.3516 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 46984.3398        | 46984.3398 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 455.434998        | 455.434998 ± 0.0009765625 | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                 | 0 ± 1                     | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 12611.4561        | 12611.4561 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.57766676        | 1.57766676 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.70045638        | 2.70045638 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                 | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.75820065        | 1.75820065 ± 0.0003       | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |        |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|--|
| Actual Function                               | Count | Expected Function                             | Count | Result |  |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |  |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | •      |  |

| Test Step 2.23 (Repeat Count = 1)     | <b>→</b>          |
|---------------------------------------|-------------------|
| Name                                  | Input Value       |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 | 21                |
| CmMtrCurr_CurrOffState_Uls_M_enum     | CURROFF_HIAVERAGE |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc   | 0                 |

CmMtrCurr\_Per3

2016-07-24, 12:40:56+0530



Input Value CmMtrCurr\_CurroffProcessFlag\_M\_enum CmMtrCurr\_MtrCurr1OffsetHi\_Volt\_M\_f32 4.4000001 CmMtrCurr\_MtrCurr1OffsetLo\_Volt\_M\_f32 2.18853402 CmMtrCurr\_MtrCurr1OffsetZero\_Volt\_M\_f32 2.18853402 CmMtrCurr\_MtrCurr1SumHi\_Volt\_M\_f32 27251.8008  $CmMtrCurr\_MtrCurr1SumLo\_Volt\_M\_f32$ 1.0530895 CmMtrCurr\_MtrCurr1SumZero\_Volt\_M\_f32 232.835007  $CmMtrCurr\_MtrCurr2OffsetHi\_Volt\_M\_f32$ 2.72687054 CmMtrCurr\_MtrCurr2OffsetLo\_Volt\_M\_f32 1.30570102  $CmMtrCurr\_MtrCurr2OffsetZero\_Volt\_M\_f32$ 2 44151449 CmMtrCurr\_MtrCurr2SumHi\_Volt\_M\_f32 125.410637  $CmMtrCurr\_MtrCurr2SumLo\_Volt\_M\_f32$ 47839 5703 CmMtrCurr\_MtrCurr2SumZero\_Volt\_M\_f32 44898.4609 31777 1211 CmMtrCurr MtrCurrValCmd VoltCnt M f32 CmMtrCurr\_VecuSum\_Volt\_M\_f32 466.565002 Rte\_Inst\_Sa\_CmMtrCurr tgt\_Rte\_Inst\_Sa\_CmMtrCurr  $k\_CurrOffNoofAvg\_Cnt\_u16$ 85 k\_MaxCurrOffMtrVel\_RadpS\_f32 17.3677788 k\_MtrCurrEOLMaxOffset\_Volts\_f32 3 k\_MtrCurrEOLMinOffset\_Volts\_f32 3  $k\_MtrCurrOffLoComOff\_Cnt\_u16$ 569 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32.value 3 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32.value 3 tgt\_CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32.value -576.014526 tgt\_CmMtrCurr\_Per3\_Vecu\_Volt\_f32.value 15.9636936 tgt\_CmMtrCurr\_Per3\_VehSpd\_Kph\_f32.value 124.059662 tgt\_CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc.value tgt\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32 78596.2422 tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32 1.66544139 tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32 1.41828871 tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32 2.1423645  $tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32$ 1 47283912 tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr1 Volts f32 tgt CmMtrCurr Per3 ADCMtrCurr1 Volts f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16 tgt\_CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32$ tgt CmMtrCurr Per3 MtrVel MtrRadpS f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_Vecu\_Volt\_f32 tgt\_CmMtrCurr\_Per3\_Vecu\_Volt\_f32 tgt\_CmMtrCurr\_Per3\_VehSpd\_Kph\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_VehSpd\_Kph\_f32$  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc$ tgt\_CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc tot Rte Inst Sa CmMtrCurr.Pim ShCurrCal tot Pim ShCurrCal

| tgt_rtte_inst_3a_critivit curr.Filit_3hcurreal    | tgCFIII_Siledireal |                           |          |  |  |
|---------------------------------------------------|--------------------|---------------------------|----------|--|--|
| Name                                              | Actual Value       | Expected Value            | Result   |  |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 21                 | 21 ± 1                    | ~        |  |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_INTIALISE  | CURROFF_INTIALISE         | ✓        |  |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 0                  | 0                         | ✓        |  |  |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 3                  | 3                         | ✓        |  |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 4.4000001          | 4.4000001 ± 0.0003        | ✓        |  |  |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 2.18853402         | 2.18853402 ± 0.0003       | ✓        |  |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 2.18853402         | 2.18853402 ± 0.0003       | ✓        |  |  |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 27251.8008         | 27251.8008 ± 0.0003       | ✓        |  |  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 1.0530895          | 1.0530895 ± 0.0003        | ~        |  |  |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 232.835007         | 232.835007 ± 0.0003       | ✓        |  |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 2.72687054         | 2.72687054 ± 0.0003       | ✓        |  |  |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 1.30570102         | 1.30570102 ± 0.0003       | ✓        |  |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.44151449         | 2.44151449 ± 0.0003       | ✓        |  |  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 125.410637         | 125.410637 ± 0.0003       | ✓        |  |  |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 47839.5703         | 47839.5703 ± 0.0003       | ✓        |  |  |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 44898.4609         | 44898.4609 ± 0.0003       | ✓        |  |  |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 31777.1211         | 31777.1211 ± 0.001        | ✓        |  |  |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 466.565002         | 466.565002 ± 0.0009765625 | ✓        |  |  |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                  | 0 ± 1                     | ✓        |  |  |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 78596.2422         | 78596.2422 ± 0.004        | ✓        |  |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.66544139         | 1.66544139 ± 0.0003       | ✓        |  |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.41828871         | 1.41828871 ± 0.0003       | ✓        |  |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.1423645          | 2.1423645 ± 0.0003        | ✓        |  |  |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 | 1.47283912         | 1.47283912 ± 0.0003       | <b>✓</b> |  |  |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |





| Test Step 2.24 (Repeat Count = 1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                  | ✓      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Input Value                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 22                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CURROFF_LOAVERAGE                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4.5                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2.4301908                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2.4301908                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 30192.9102<br>2.49484968                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| CmMtrCurr MtrCurr1SumZero Volt M f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 243.964996                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1.91161692                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3.65869999                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 35.2140007                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| CmMtrCurr MtrCurr2SumLo Volt M f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 110.404999                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| CmMtrCurr MtrCurr2SumZero Volt M f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 47839.5703                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 56885.8242                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| CmMtrCurr_VecuSum_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 477.695007                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| Rte_Inst_Sa_CmMtrCurr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | tgt_Rte_Inst_Sa_CmMtrCurr                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| k_CurrOffNoofAvg_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 90                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| k_MaxCurrOffMtrVel_RadpS_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.119885504                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| k_MtrCurrEOLMaxOffset_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| k_MtrCurrEOLMinOffset_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1.68836021                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| k_MtrCurrOffLoComOff_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 587                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.214018106                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -832.153381                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7.86561155                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 140.034927                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 35326.4414                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.19832134                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2.70113182                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2.12521768                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.1041311                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                  |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | tgt_CmMtrCurr_Per3_ADCMtrCurr                                                                                                                                                                                                                                                                                                                          | 1_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                      |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | tgt_CmMtrCurr_Per3_ADCMtrCurr                                                                                                                                                                                                                                                                                                                          | 2_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                      |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | tgt_CmMtrCurr_Per3_ComOffset_0                                                                                                                                                                                                                                                                                                                         | D-440                                                                                                                                                                                                                                                                                                                                                                                                            |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | igi_onniviioun_i cio_oonionaci_t                                                                                                                                                                                                                                                                                                                       | nt_u16                                                                                                                                                                                                                                                                                                                                                                                                           |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | tgt_CmMtrCurr_Per3_MtrVel_MtrR                                                                                                                                                                                                                                                                                                                         | _                                                                                                                                                                                                                                                                                                                                                                                                                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                        | adpS_f32                                                                                                                                                                                                                                                                                                                                                                                                         |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | tgt_CmMtrCurr_Per3_MtrVel_MtrR                                                                                                                                                                                                                                                                                                                         | adpS_f32<br>32                                                                                                                                                                                                                                                                                                                                                                                                   |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | tgt_CmMtrCurr_Per3_MtrVel_MtrR<br>tgt_CmMtrCurr_Per3_Vecu_Volt_f3                                                                                                                                                                                                                                                                                      | adpS_f32<br>32<br>1_f32                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32<br>tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | tgt_CmMtrCurr_Per3_MtrVel_MtrR<br>tgt_CmMtrCurr_Per3_Vecu_Volt_f3<br>tgt_CmMtrCurr_Per3_VehSpd_Kpf                                                                                                                                                                                                                                                     | adpS_f32<br>32<br>1_f32                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_f: tgt_CmMtrCurr_Per3_VehSpd_Kpl tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value                                                                                                                                                                                            | adpS_f32<br>32<br>1_f32                                                                                                                                                                                                                                                                                                                                                                                          | Result |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | tgt_CmMtrCurr_Per3_MtrVel_MtrR<br>tgt_CmMtrCurr_Per3_Vecu_Volt_f:<br>tgt_CmMtrCurr_Per3_VehSpd_Kpl<br>tgt_CmMtrCurr_Per3_VhSpdValid_<br>tgt_Pim_ShCurrCal                                                                                                                                                                                              | adpS_f32<br>32<br>n_f32<br>Cnt_lgc                                                                                                                                                                                                                                                                                                                                                                               |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_f: tgt_CmMtrCurr_Per3_VehSpd_Kpl tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value  22 CURROFF_INTIALISE                                                                                                                                                                      | adpS_f32 32 n_f32 Cnt_lgc  Expected Value 22 ± 1 CURROFF_INTIALISE                                                                                                                                                                                                                                                                                                                                               | •      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum  CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_f: tgt_CmMtrCurr_Per3_VehSpd_Kpl tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value  22  CURROFF_INTIALISE 0                                                                                                                                                                   | adpS_f32 32 n_f32 Cnt_lgc  Expected Value 22 ± 1 CURROFF_INTIALISE 0                                                                                                                                                                                                                                                                                                                                             | •      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum  CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc CmMtrCurr_CurrOffProcessFlag_M_enum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_f3 tgt_CmMtrCurr_Per3_VehSpd_Kpl tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value 22 CURROFF_INTIALISE 0 3                                                                                                                                                                   | adpS_f32 32 n_f32 Cnt_lgc  Expected Value 22 ± 1 CURROFF_INTIALISE 0 3                                                                                                                                                                                                                                                                                                                                           |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_CurrOffProcessFlag_M_enum CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_f3 tgt_CmMtrCurr_Per3_VehSpd_Kpl tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value  22 CURROFF_INTIALISE 0 3 4.5                                                                                                                                                              | adpS_f32 32 n_f32 Cnt_lgc  Expected Value 22 ± 1 CURROFF_INTIALISE 0 3 4.5 ± 0.0003                                                                                                                                                                                                                                                                                                                              |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_CurrOffProcessFlag_M_enum CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_f3 tgt_CmMtrCurr_Per3_VehSpd_Kpl tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value  22 CURROFF_INTIALISE 0 3 4.5 2.4301908                                                                                                                                                    | adpS_f32 adpS_f32 a_f32 Cnt_lgc  Expected Value 22 ± 1 CURROFF_INTIALISE 0 3 4.5 ± 0.0003 2.4301908 ± 0.0003                                                                                                                                                                                                                                                                                                     |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc CmMtrCurr_CurrOffProcessFlag_M_enum CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_fi. tgt_CmMtrCurr_Per3_VehSpd_Kpl tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value 22 CURROFF_INTIALISE 0 3 4.5 2.4301908 2.4301908                                                                                                                                          | adpS_f32 adpS_f32 a_f32 Cnt_lgc  Expected Value 22 ± 1 CURROFF_INTIALISE 0 3 4.5 ± 0.0003 2.4301908 ± 0.0003 2.4301908 ± 0.0003                                                                                                                                                                                                                                                                                  | 0      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc CmMtrCurr_CurrOffProcessFlag_M_enum CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_fi. tgt_CmMtrCurr_Per3_VehSpd_Kpl tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value 22 CURROFF_INTIALISE 0 3 4.5 2.4301908 2.4301908 30192.9102                                                                                                                               | adpS_f32 adpS_f32 a_f32 Cnt_lgc  Expected Value 22 ± 1 CURROFF_INTIALISE 0 3 4.5 ± 0.0003 2.4301908 ± 0.0003 2.4301908 ± 0.0003 30192.9102 ± 0.0003                                                                                                                                                                                                                                                              | 0      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_CurrOffProcessFlag_M_enum CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_f: tgt_CmMtrCurr_Per3_VehSpd_Kpl tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value 22 CURROFF_INTIALISE 0 3 4.5 2.4301908 2.4301908 30192.9102 2.49484968                                                                                                                     | adpS_f32 adpS_f32 a_f32 Cnt_lgc  Expected Value 22 ± 1 CURROFF_INTIALISE 0 3 4.5 ± 0.0003 2.4301908 ± 0.0003 2.4301908 ± 0.0003 30192.9102 ± 0.0003 2.49484968 ± 0.0003                                                                                                                                                                                                                                          |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_CurrOffProcessFlag_M_enum CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_fi: tgt_CmMtrCurr_Per3_VehSpd_Kpi tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value 22 CURROFF_INTIALISE 0 3 4.5 2.4301908 2.4301908 30192.9102 2.49484968 243.964996                                                                                                         | adpS_f32 adpS_f32 a_f32                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc CmMtrCurr_CurrOffProcessFlag_M_enum CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_fi: tgt_CmMtrCurr_Per3_VehSpd_Kpi tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value 22 CURROFF_INTIALISE 0 3 4.5 2.4301908 2.4301908 30192.9102 2.49484968 243.964996 1.91161692                                                                                              | adpS_f32 adpS_f32 a_f32 Cnt_lgc  Expected Value 22 ± 1 CURROFF_INTIALISE 0 3 4.5 ± 0.0003 2.4301908 ± 0.0003 2.4301908 ± 0.0003 30192.9102 ± 0.0003 2.49484968 ± 0.0003 243.964996 ± 0.0003 1.91161692 ± 0.0003                                                                                                                                                                                                  |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc CmMtrCurr_CurrOffProcessFlag_M_enum CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                            | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_fi: tgt_CmMtrCurr_Per3_VehSpd_Kpi tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value 22 CURROFF_INTIALISE 0 3 4.5 2.4301908 2.4301908 30192.9102 2.49484968 243.964996                                                                                                         | adpS_f32 adpS_f32 a_f32                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum  CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc CmMtrCurr_CurrOffProcessFlag_M_enum  CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                                                                                                                                                                                                                                       | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_fi. tgt_CmMtrCurr_Per3_VehSpd_Kpf tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value  22 CURROFF_INTIALISE 0 3 4.5 2.4301908 2.4301908 30192.9102 2.49484968 243.964996 1.91161692 3.65869999 3                                                                                | adpS_f32 adpS_f32 a_f32                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc CmMtrCurr_CurrOffProcessFlag_M_enum CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                            | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_fi: tgt_CmMtrCurr_Per3_VehSpd_Kpi tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value 22 CURROFF_INTIALISE 0 3 4.5 2.4301908 2.4301908 30192.9102 2.49484968 243.964996 1.91161692 3.65869999                                                                                   | adpS_f32 adpS_f32 a_f32                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum  CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc CmMtrCurr_CurrOffProcessFlag_M_enum  CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                                                                                                                                                                                               | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_fi. tgt_CmMtrCurr_Per3_VehSpd_Kpf tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value  22 CURROFF_INTIALISE 0 3 4.5 2.4301908 2.4301908 30192.9102 2.49484968 243.964996 1.91161692 3.65869999 3 35.2140007                                                                     | adpS_f32 adpS_f32 a_f32 Cnt_lgc  Expected Value 22 ± 1 CURROFF_INTIALISE 0 3 4.5 ± 0.0003 2.4301908 ± 0.0003 2.4301908 ± 0.0003 2.4301908 ± 0.0003 2.49484968 ± 0.0003 243.964996 ± 0.0003 1.91161692 ± 0.0003 3.65869999 ± 0.0003 3 ± 0.0003 3 ± 0.0003 3 ± 0.0003                                                                                                                                              |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16  CmMtrCurr_CurrOffState_Uls_M_enum  CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc  CmMtrCurr_CurrOffProcessFlag_M_enum  CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32  CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32  CmMtrCurr_MtrCurr1OffSetZero_Volt_M_f32  CmMtrCurr_MtrCurr1SumHi_Volt_M_f32  CmMtrCurr_MtrCurr1SumLo_Volt_M_f32  CmMtrCurr_MtrCurr1SumLo_Volt_M_f32  CmMtrCurr_MtrCurr1SumZero_Volt_M_f32  CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32  CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32  CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32  CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32  CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32  CmMtrCurr_MtrCurr2SumHi_Volt_M_f32  CmMtrCurr_MtrCurr2SumHi_Volt_M_f32  CmMtrCurr_MtrCurr2SumHi_Volt_M_f32  CmMtrCurr_MtrCurr2SumHi_Volt_M_f32  CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                                                                                                                                                                                   | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_fi. tgt_CmMtrCurr_Per3_VehSpd_Kpl tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value  22 CURROFF_INTIALISE 0 3 4.5 2.4301908 2.4301908 30192.9102 2.49484968 243.964996 1.91161692 3.65869999 3 35.2140007 110.404999                                                          | adpS_f32 adpS_f32 a_f32 Cnt_lgc  Expected Value 22 ± 1 CURROFF_INTIALISE 0 3 4.5 ± 0.0003 2.4301908 ± 0.0003 2.4301908 ± 0.0003 30192.9102 ± 0.0003 2.43964968 ± 0.0003 243.964996 ± 0.0003 1.91161692 ± 0.0003 3.65869999 ± 0.0003 3 ± 0.0003 3 ± 0.0003 3 ± 0.0003 110.404999 ± 0.0003                                                                                                                         |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16  CmMtrCurr_CurrOffState_Uls_M_enum  CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc  CmMtrCurr_CurrOffTrimFlag_Cnt_M_f32  CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32  CmMtrCurr_MtrCurr1OffSetLo_Volt_M_f32  CmMtrCurr_MtrCurr1SumHi_Volt_M_f32  CmMtrCurr_MtrCurr1SumLo_Volt_M_f32  CmMtrCurr_MtrCurr1SumLo_Volt_M_f32  CmMtrCurr_MtrCurr1SumZero_Volt_M_f32  CmMtrCurr_MtrCurr1SumZero_Volt_M_f32  CmMtrCurr_MtrCurr1SumZero_Volt_M_f32  CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32  CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32  CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32  CmMtrCurr_MtrCurr2SumHi_Volt_M_f32  CmMtrCurr_MtrCurr2SumHi_Volt_M_f32  CmMtrCurr_MtrCurr2SumHi_Volt_M_f32  CmMtrCurr_MtrCurr2SumLo_Volt_M_f32  CmMtrCurr_MtrCurr2SumLo_Volt_M_f32  CmMtrCurr_MtrCurr2SumLo_Volt_M_f32  CmMtrCurr_MtrCurr2SumZero_Volt_M_f32  CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                                                                                                                                | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_fi. tgt_CmMtrCurr_Per3_VehSpd_Kpl tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value  22 CURROFF_INTIALISE 0 3 4.5 2.4301908 2.4301908 2.4301908 30192.9102 2.49484968 243.964996 1.91161692 3.65869999 3 35.2140007 110.404999 47839.5703                                     | adpS_f32 adpS_f32 a_f32 Cnt_lgc  Expected Value 22 ± 1 CURROFF_INTIALISE 0 3 4.5 ± 0.0003 2.4301908 ± 0.0003 2.4301908 ± 0.0003 2.4301908 ± 0.0003 2.49484968 ± 0.0003 243.964996 ± 0.0003 1.91161692 ± 0.0003 3.65869999 ± 0.0003 3 ± 0.0003 3 ± 0.0003 3 ± 0.0003 47839.5703 ± 0.0003                                                                                                                          |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16  CmMtrCurr_CurrOffState_Uls_M_enum  CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc  CmMtrCurr_CurrOffTrimFlag_Cnt_M_f32  CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32  CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32  CmMtrCurr_MtrCurr1OffSetZero_Volt_M_f32  CmMtrCurr_MtrCurr1SumLo_Volt_M_f32  CmMtrCurr_MtrCurr1SumLo_Volt_M_f32  CmMtrCurr_MtrCurr1SumZero_Volt_M_f32  CmMtrCurr_MtrCurr1SumZero_Volt_M_f32  CmMtrCurr_MtrCurr1SumZero_Volt_M_f32  CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32  CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32  CmMtrCurr_MtrCurr2SumLo_Volt_M_f32  CmMtrCurr_MtrCurr2SumHi_Volt_M_f32  CmMtrCurr_MtrCurr2SumLo_Volt_M_f32  CmMtrCurr_MtrCurr2SumLo_Volt_M_f32  CmMtrCurr_MtrCurr2SumLo_Volt_M_f32  CmMtrCurr_MtrCurr2SumZero_Volt_M_f32  CmMtrCurr_MtrCurr2SumZero_Volt_M_f32  CmMtrCurr_MtrCurr2SumZero_Volt_M_f32  CmMtrCurr_MtrCurr2SumZero_Volt_M_f32  CmMtrCurr_MtrCurr2SumZero_Volt_M_f32  CmMtrCurr_MtrCurr2SumZero_Volt_M_f32  CmMtrCurr_MtrCurr2SumZero_Volt_M_f32  CmMtrCurr_MtrCurr2MtrCurrOut_VoltCnt_M_f32                | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_fi. tgt_CmMtrCurr_Per3_VehSpd_Kpl tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value  22 CURROFF_INTIALISE 0 3 4.5 2.4301908 2.4301908 3.0192.9102 2.49484968 243.964996 1.91161692 3.65869999 3 35.2140007 110.404999 47839.5703 56885.8242                                   | adpS_f32 adpS_f32 a_f32 Cnt_lgc  Expected Value 22 ± 1 CURROFF_INTIALISE 0 3 4.5 ± 0.0003 2.4301908 ± 0.0003 2.4301908 ± 0.0003 2.4301908 ± 0.0003 2.49484968 ± 0.0003 243.964996 ± 0.0003 1.91161692 ± 0.0003 3.65869999 ± 0.0003 3 ± 0.0003 3 ± 0.0003 3 ± 0.0003 47839.5703 ± 0.0003 56885.8242 ± 0.001                                                                                                       |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc CmMtrCurr_CurrOffTrimFlag_Cnt_M_f32 CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetD_Volt_M_f32 CmMtrCurr_MtrCurr1SimHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetD_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetD_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetD_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetD_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32                                                                                               | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_fi. tgt_CmMtrCurr_Per3_VehSpd_Kpl tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value  22 CURROFF_INTIALISE 0 3 4.5 2.4301908 2.4301908 2.4301908 2.49484968 243.964996 1.91161692 3.65869999 3 35.2140007 110.404999 47839.5703 56885.8242 477.695007                          | adpS_f32 adpS_f32 a_f32 Cnt_lgc  Expected Value 22 ± 1 CURROFF_INTIALISE 0 3 4.5 ± 0.0003 2.4301908 ± 0.0003 2.4301908 ± 0.0003 2.4301908 ± 0.0003 2.49484968 ± 0.0003 2.49484968 ± 0.0003 3.65869999 ± 0.0003 3.65869999 ± 0.0003 3.52140007 ± 0.0003 110.404999 ± 0.0003 47839.5703 ± 0.0003 56885.8242 ± 0.001 477.695007 ± 0.0009765625                                                                      |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_CurrOffTrimFlag_Cnt_M_f32 CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetN_542 CmMtrCurr_MtrCurr1OffsetN_542 CmMtrCurr_MtrCurr1OffsetN_632 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetN_541 CmMtrCurr_MtrCurr2OffsetN_641 Sa_CmMtrCurr_MtrCurr2OffsetN_641 Sa_CmMtrCurr_MtrCurr2OffsetN_641 Sa_CmMtrCurr_MtrCurr2OffsetN_641 CmMtrCurr_MtrCurr2OffsetN_641 Sa_CmMtrCurr_MtrCurr2OffsetN_641 Sa_CmMtrCurr_MtrCurr2OffsetN_641 Sa_CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrYalCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                                                                       | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_fi. tgt_CmMtrCurr_Per3_VehSpd_Kpl tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value  22 CURROFF_INTIALISE 0 3 4.5 2.4301908 2.4301908 2.4301908 2.4301908 2.43964996 1.91161692 3.65869999 3 35.2140007 110.404999 47839.5703 56885.8242 477.695007 0                         | adpS_f32 adpS_f32 a_f32 Cnt_lgc  Expected Value 22 ± 1 CURROFF_INTIALISE 0 3 4.5 ± 0.0003 2.4301908 ± 0.0003 2.4301908 ± 0.0003 2.4301908 ± 0.0003 2.49484968 ± 0.0003 2.49484968 ± 0.0003 3.6586999 ± 0.0003 3.6586999 ± 0.0003 3.52140007 ± 0.0003 110.404999 ± 0.0003 47839.5703 ± 0.0003 56885.8242 ± 0.001 477.695007 ± 0.0009765625 0 ± 1                                                                  |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_CurrOffProcessFlag_M_enum CmMtrCurr_CurrOffProcessFlag_M_enum CmMtrCurr_MtrCurr1Offsettli_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetVolt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetVolt_M_f32 CmMtrCurr_MtrCurr2OffsetVolt_M_f32 CmMtrCurr_MtrCurr2OffsetVolt_M_f32 CmMtrCurr_MtrCurr2OffsetVolt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrYolCmd_VoltCnt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                                                                   | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_fi. tgt_CmMtrCurr_Per3_VehSpd_Kpl tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value  22 CURROFF_INTIALISE 0 3 4.5 2.4301908 2.4301908 3.0192.9102 2.494484968 243.964996 1.91161692 3.65869999 3 3 35.2140007 110.404999 47839.5703 56885.8242 477.695007 0 35326.4414        | adpS_f32 adpS_f32 a_f32 Cnt_lgc  Expected Value 22 ± 1 CURROFF_INTIALISE 0 3 4.5 ± 0.0003 2.4301908 ± 0.0003 2.4301908 ± 0.0003 2.4301908 ± 0.0003 2.49484968 ± 0.0003 2.49484968 ± 0.0003 1.91161692 ± 0.0003 3.65869999 ± 0.0003 3 ± 0.0003 3 ± 0.0003 3 ± 0.0003 3 ± 0.0003 3 ± 0.0003 47839.5703 ± 0.0003 47839.5703 ± 0.0003 56885.8242 ± 0.001 477.695007 ± 0.0009765625 0 ± 1 35326.4414 ± 0.004          |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Valid_Cnt_Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal  Name  CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc CmMtrCurr_CurroffProcessFlag_M_enum CmMtrCurr_CurroffProcessFlag_M_enum CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCur_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 cmMtrCurr_MtrCurr2SumLo_Volt_M_f32 cmMtrCurr_MtrCurr2SumLo_Volt_M_f32 cmMtrCurr_MtrCurr2SumLo_Volt_M_f32 cmMtrCurr_MtrCurrYolfCmd_VoltCnt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVolffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | tgt_CmMtrCurr_Per3_MtrVel_MtrR tgt_CmMtrCurr_Per3_Vecu_Volt_fi. tgt_CmMtrCurr_Per3_VehSpd_Kpl tgt_CmMtrCurr_Per3_VhSpdValid_ tgt_Pim_ShCurrCal  Actual Value  22 CURROFF_INTIALISE 0 3 4.5 2.4301908 2.4301908 30192.9102 2.49484968 243.964996 1.91161692 3.65869999 3 35.2140007 110.404999 47839.5703 56885.8242 477.695007 0 35326.4414 1.19832134 | adpS_f32 adpS_f32 a_f32 Cnt_lgc  Expected Value 22 ± 1 CURROFF_INTIALISE 0 3 4.5 ± 0.0003 2.4301908 ± 0.0003 2.4301908 ± 0.0003 2.4301908 ± 0.0003 2.49484968 ± 0.0003 2.49484968 ± 0.0003 1.91161692 ± 0.0003 3.65869999 ± 0.0003 3 ± 0.0003 3 ± 0.0003 3 ± 0.0003 3 ± 0.0003 47839.5703 ± 0.0003 47839.5703 ± 0.0003 56885.8242 ± 0.001 477.695007 ± 0.0009765625 0 ± 1 35326.4414 ± 0.004 1.19832134 ± 0.0003 | Result |



| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | •      |

| Test Step 2.25 (Repeat Count = 1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                |                                           |       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------|-------|
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Input Value                                                    |                                           |       |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 23                                                             |                                           |       |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CURROFF_CALC                                                   |                                           |       |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0                                                              |                                           |       |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                                                              |                                           |       |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4.5999999                                                      |                                           |       |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.79951966                                                     |                                           |       |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1.79951966                                                     |                                           |       |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 33134.0195                                                     |                                           |       |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 36.25                                                          |                                           |       |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 255.095001                                                     |                                           |       |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3                                                              |                                           |       |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2.22926593                                                     |                                           |       |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1.07224905                                                     |                                           |       |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 306.320007                                                     |                                           |       |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 121.535004                                                     |                                           |       |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 36.25                                                          |                                           |       |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 50238.3359                                                     |                                           |       |
| CmMtrCurr_VecuSum_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 488.825012                                                     |                                           |       |
| Rte_Inst_Sa_CmMtrCurr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | tgt_Rte_Inst_Sa_CmMtrCurr                                      |                                           |       |
| k_CurrOffNoofAvg_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 95                                                             |                                           |       |
| k_MaxCurrOffMtrVel_RadpS_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 20                                                             |                                           |       |
| k_MtrCurrEOLMaxOffset_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3                                                              |                                           |       |
| k_MtrCurrEOLMinOffset_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.15867352                                                     |                                           |       |
| k_MtrCurrOffLoComOff_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 635                                                            |                                           |       |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3                                                              |                                           |       |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.123802423                                                    |                                           |       |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -282.08429                                                     |                                           |       |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 15                                                             |                                           |       |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 148.213425                                                     |                                           |       |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1                                                              |                                           |       |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10727.9072                                                     |                                           |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2.96896577                                                     |                                           |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.0980438                                                      |                                           |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1.91172564<br>3                                                |                                           |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | tgt CmMtrCurr Per3 ADCMtrCuri                                  | 1 Volto f22                               |       |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                |                                           |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | tgt_CmMtrCurr_Per3_ADCMtrCurr<br>tgt_CmMtrCurr_Per3_ComOffset_ |                                           |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | tgt CmMtrCurr Per3 MtrVel MtrF                                 | _                                         |       |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 Vecu Volt f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | tgt CmMtrCurr Per3 Vecu Volt f                                 | · <del>-</del>                            |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | tgt_CmMtrCurr_Per3_VehSpd_Kp                                   |                                           |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | tgt_CmMtrCurr_Per3_VhSpdValid                                  |                                           |       |
| tgt Rte Inst Sa CmMtrCurr.Pim ShCurrCal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | tgt_Pim_ShCurrCal                                              | _0.11190                                  |       |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Actual Value                                                   | Expected Value                            | Resul |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 23                                                             | 23 ± 1                                    | Resu  |
| CmMtrCurr CurrOffState Uls M enum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CURROFF INTIALISE                                              | CURROFF INTIALISE                         |       |
| CmMtrCurr CurrOffTrimFlag Cnt M lgc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0                                                              | 0                                         |       |
| CmMtrCurr CurroffProcessFlag M enum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                                                              | 2                                         |       |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4.5999999                                                      | 4.5999999 ± 0.0003                        |       |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.79951966                                                     | 4.5999999 ± 0.0003<br>1.79951966 ± 0.0003 |       |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1.79951966                                                     | 1.79951966 ± 0.0003                       |       |
| CmMtrCurr MtrCurr1SumHi Volt M f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 33134.0195                                                     | 33134.0195 ± 0.0003                       |       |
| CmMtrCurr MtrCurr1SumLo Volt M f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 36.25                                                          | 36.25 ± 0.0003                            |       |
| CmMtrCurr MtrCurr1SumZero Volt M f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 255.095001                                                     | 255.095001 ± 0.0003                       |       |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3                                                              | 3 ± 0.0003                                |       |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2.22926593                                                     | 2.22926593 ± 0.0003                       |       |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1.07224905                                                     | 1.07224905 ± 0.0003                       |       |
| STITUTE OF THE OWN TO | 306 320007                                                     | 306 320007 ± 0.0003                       |       |

306.320007

121.535004

50238.3359

488.825012

36.25

0

 $CmMtrCurr\_MtrCurr2SumHi\_Volt\_M\_f32$ 

 $CmMtrCurr\_MtrCurr2SumLo\_Volt\_M\_f32$ 

CmMtrCurr\_VecuSum\_Volt\_M\_f32

 $CmMtrCurr\_MtrCurr2SumZero\_Volt\_M\_f32$ 

 $CmMtrCurr\_MtrCurrValCmd\_VoltCnt\_M\_f32$ 

306.320007 ± 0.0003

121.535004 ± 0.0003

50238.3359 ± 0.001

488.825012 ± 0.0009765625

36.25 ± 0.0003

0 ± 1





| Name                                              | Actual Value | Expected Value      | Result   |
|---------------------------------------------------|--------------|---------------------|----------|
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 10727.9072   | 10727.9072 ± 0.004  | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.96896577   | 2.96896577 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.0980438    | 1.0980438 ± 0.0003  | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.91172564   | 1.91172564 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003          | ~        |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.26 (Repeat Count = 1)        |                                         |                | <b>✓</b> |
|------------------------------------------|-----------------------------------------|----------------|----------|
| Name                                     | Input Value                             |                |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16    | 24                                      |                |          |
| CmMtrCurr_CurrOffState_Uls_M_enum        | CURROFF_CALC                            |                |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc      | 0                                       |                |          |
| CmMtrCurr_CurroffProcessFlag_M_enum      | 0                                       |                |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32    | 4.69999981                              |                |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32    | 3.25399995                              |                |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32  | 3.25399995                              |                |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32       | 36075.1289                              |                |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32       | 303.209991                              |                |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32     | 266.225006                              |                |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32    | 3                                       |                |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32    | 3.89499998                              |                |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32  | 2.14313006                              |                |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32       | 311.214996                              |                |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32       | 132.664993                              |                |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32     | 303.209991                              |                |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32    | 78099.0078                              |                |          |
| CmMtrCurr_VecuSum_Volt_M_f32             | 499.954987                              |                |          |
|                                          | tgt_Rte_Inst_Sa_CmMtrCurr               |                |          |
| k_CurrOffNoofAvg_Cnt_u16                 | 100                                     |                |          |
| k_MaxCurrOffMtrVel_RadpS_f32             | 7.48777437                              |                |          |
| k_MtrCurrEOLMaxOffset_Volts_f32          | 2.68959165                              |                |          |
|                                          | 1.08763385                              |                |          |
|                                          | 987                                     |                |          |
|                                          | 2.36983299                              |                |          |
| °                                        | 1.32406759                              |                |          |
| 92 2                                     | -663.051086                             |                |          |
| °                                        | 12.4553289                              |                |          |
|                                          | 172.531006                              |                |          |
| 0= = = 1 = =0                            | 0                                       |                |          |
| <b>3</b> 2                               | 16086.1211                              |                |          |
|                                          | 1.52357078                              |                |          |
| 32 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 3                                       |                |          |
|                                          | 2.91988373                              |                |          |
|                                          | 2.69713283                              |                |          |
|                                          | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f3 |                |          |
|                                          | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f3 | 2              |          |
|                                          | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16    |                |          |
|                                          | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32  |                |          |
|                                          | tgt_CmMtrCurr_Per3_Vecu_Volt_f32        |                |          |
|                                          | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32       |                |          |
|                                          | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc   |                |          |
|                                          | tgt_Pim_ShCurrCal  Actual Value         | Expected Value | Result   |
| Name                                     |                                         |                |          |

| Name                                    | Actual Value      | Expected Value      | Result   |
|-----------------------------------------|-------------------|---------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 24                | 24 ± 1              | ✓        |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_INTIALISE | CURROFF_INTIALISE   | ✓        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 0                 | 0                   | ✓        |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 0                 | 0                   | ✓        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 4.69999981        | 4.69999981 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 3.25399995        | 3.25399995 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 3.25399995        | 3.25399995 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 36075.1289        | 36075.1289 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 303.209991        | 303.209991 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 266.225006        | 266.225006 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 3                 | 3 ± 0.0003          | ✓        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 3.89499998        | 3.89499998 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 2.14313006        | 2.14313006 ± 0.0003 | <b>✓</b> |

2016-07-24, 12:40:56+0530



| Name                                              | Actual Value | Expected Value            | Result   |
|---------------------------------------------------|--------------|---------------------------|----------|
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 311.214996   | 311.214996 ± 0.0003       | ✓        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 132.664993   | 132.664993 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 303.209991   | 303.209991 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 78099.0078   | 78099.0078 ± 0.001        | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 499.954987   | 499.954987 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0            | 0 ± 1                     | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 16086.1211   | 16086.1211 ± 0.004        | <b>~</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.52357078   | 1.52357078 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3            | 3 ± 0.0003                | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.91988373   | 2.91988373 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.69713283   | 2.69713283 ± 0.0003       | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~        |

| Name                                                           | Input Value                     |                |       |
|----------------------------------------------------------------|---------------------------------|----------------|-------|
| CmMtrCurr CurrOffAvgCounter Cnt M u16                          | 25                              |                |       |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE               |                |       |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                               |                |       |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 2                               |                |       |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 4.80000019                      |                |       |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 3.98539996                      |                |       |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 3.98539996                      |                |       |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 39016.2383                      |                |       |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 32.25                           |                |       |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 12546.25                        |                |       |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 3                               |                |       |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 2.51416945                      |                |       |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 2.94488144                      |                |       |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 3                               |                |       |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 143.794998                      |                |       |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 2.2774384                       |                |       |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 19845.2715                      |                |       |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 511.084991                      |                |       |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr       |                |       |
| k_CurrOffNoofAvg_Cnt_u16                                       | 105                             |                |       |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | -17.301012                      |                |       |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 1.3792882                       |                |       |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 1.04392648                      |                |       |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 654                             |                |       |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 1.87480044                      |                |       |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 2.17176461                      |                |       |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 289.772217                      |                |       |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 22.3622627                      |                |       |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 9.77714539                      |                |       |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                               |                |       |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 55950.4102                      |                |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 2.83865476                      |                |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                               |                |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 3                               |                |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                               |                |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr   | 1_Volts_f32    |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2  | 2_Volts_f32    |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_0  | Cnt_u16        |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrR  | adpS_f32       |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f3 | 32             |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph   | 1_f32          |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CmMtrCurr_Per3_VhSpdValid_  | Cnt_lgc        |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal               |                |       |
| Name                                                           | Actual Value                    | Expected Value | Resul |
| CmMtrCurr CurrOffAvaCounter Cnt M u16                          | 25                              | 25 + 1         |       |

| Name                                    | Actual Value      | Expected Value      | Result   |
|-----------------------------------------|-------------------|---------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 25                | 25 ± 1              | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_INTIALISE | CURROFF_INTIALISE   | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 0                 | 0                   | <b>~</b> |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3                 | 3                   | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 4.80000019        | 4.80000019 ± 0.0003 | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 3.98539996        | 3.98539996 ± 0.0003 | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 3.98539996        | 3.98539996 ± 0.0003 | ~        |

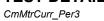




| Name                                              | Actual Value | Expected Value            | Result   |
|---------------------------------------------------|--------------|---------------------------|----------|
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 39016.2383   | 39016.2383 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 32.25        | 32.25 ± 0.0003            | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 12546.25     | 12546.25 ± 0.0003         | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3            | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 2.51416945   | 2.51416945 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.94488144   | 2.94488144 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 3            | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 143.794998   | 143.794998 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 2.2774384    | 2.2774384 ± 0.0003        | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 19845.2715   | 19845.2715 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 511.084991   | 511.084991 ± 0.0009765625 | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0            | 0 ± 1                     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 55950.4102   | 55950.4102 ± 0.004        | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.83865476   | 2.83865476 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3            | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003                | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003                | ~        |

| Test Step Call Trace                          |       |                                               |       |          |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|--|
| Actual Function                               | Count | Expected Function                             | Count | Result   |  |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |  |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |  |

| - 101 000/5 10 10                                              |                                                                       |                |        |  |
|----------------------------------------------------------------|-----------------------------------------------------------------------|----------------|--------|--|
| Test Step 2.28 (Repeat Count = 1)                              |                                                                       |                | ~      |  |
| Name                                                           | Input Value                                                           |                |        |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 26                                                                    |                |        |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE                                                     |                |        |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                                                                     |                |        |  |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 0                                                                     |                |        |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 2.92550302                                                            | 2.92550302     |        |  |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 1.69485998                                                            | 1.69485998     |        |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 1.69485998                                                            |                |        |  |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 41957.3516                                                            |                |        |  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 39.5209999                                                            |                |        |  |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 15487.3604                                                            |                |        |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 1.43548334                                                            |                |        |  |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 3.25410008                                                            |                |        |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 2.68251061                                                            |                |        |  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 18428.4707                                                            |                |        |  |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 154.925003                                                            |                |        |  |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 1.46330607                                                            |                |        |  |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 31113.5039                                                            |                |        |  |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 522.215027                                                            |                |        |  |
| Rte Inst Sa CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr                                             |                |        |  |
| k CurrOffNoofAvg Cnt u16                                       | 110                                                                   |                |        |  |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | -20                                                                   |                |        |  |
| k MtrCurrEOLMaxOffset Volts f32                                | 1.52888                                                               |                |        |  |
| k MtrCurrEOLMinOffset Volts f32                                | 1.59338915                                                            |                |        |  |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 789                                                                   |                |        |  |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 2.49078679                                                            |                |        |  |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 2.53748775                                                            |                |        |  |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 506.166565                                                            |                |        |  |
| tgt CmMtrCurr Per3 Vecu Volt f32.value                         | 18.4451694                                                            |                |        |  |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 230.269608                                                            |                |        |  |
| tgt CmMtrCurr Per3 VhSpdValid Cnt Igc.value                    | 1                                                                     |                |        |  |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32               | 67286.625                                                             |                |        |  |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                | 1.59164679                                                            |                |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                                                                     |                |        |  |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32              | 2.054039                                                              |                |        |  |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32              | 1.98518658                                                            |                |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_                                       | Volts f32      |        |  |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32 | tgt CmMtrCurr Per3 ADCMtrCurr2                                        | _              |        |  |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16     | tgt CmMtrCurr Per3 ComOffset Cn                                       | _              |        |  |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32   | tgt CmMtrCurr Per3 MtrVel MtrRad                                      | _              |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32                                      | · <del>-</del> |        |  |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32        | tgt_CrimitiCuri_Per3_Vecu_Voit_132                                    |                |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CrimitiCdil_Fer3_VeriSpd_Rpil_<br>tgt_CmMtrCurr_Per3_VhSpdValid_C |                |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                                                     | 90             |        |  |
|                                                                |                                                                       | Expected Value | Decuit |  |
| Name                                                           | Actual Value                                                          | Expected Value | Result |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 20                                                                    | 26 ± 1         |        |  |





| Name                                              | Actual Value      | Expected Value            | Result   |
|---------------------------------------------------|-------------------|---------------------------|----------|
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_INTIALISE | CURROFF_INTIALISE         | ~        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 0                 | 0                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 3                 | 3                         | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 2.92550302        | 2.92550302 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 1.69485998        | 1.69485998 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 1.69485998        | 1.69485998 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 41957.3516        | 41957.3516 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 39.5209999        | 39.5209999 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 15487.3604        | 15487.3604 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 1.43548334        | 1.43548334 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 3.25410008        | 3.25410008 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.68251061        | 2.68251061 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 18428.4707        | 18428.4707 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 154.925003        | 154.925003 ± 0.0003       | <b>~</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 1.46330607        | 1.46330607 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 31113.5039        | 31113.5039 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 522.215027        | 522.215027 ± 0.0009765625 | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                 | 0 ± 1                     | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 67286.625         | 67286.625 ± 0.004         | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.59164679        | 1.59164679 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.054039          | 2.054039 ± 0.0003         | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.98518658        | 1.98518658 ± 0.0003       | ~        |

| Test Step Call Trace                          |       |                                               |       |          |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|--|
| Actual Function                               | Count | Expected Function                             | Count | Result   |  |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |  |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |  |

| Test Step 2.29 (Repeat Count = 1)                              |                                          |
|----------------------------------------------------------------|------------------------------------------|
| Name                                                           | Input Value                              |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 27                                       |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_ZEROAVERAGE                      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                                        |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 1                                        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 1.38621521                               |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 3.75889993                               |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 3.75889993                               |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 44898.4609                               |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 2.58627987                               |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 18428.4707                               |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 2.38276362                               |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 1.04989088                               |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 1.35347366                               |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 21369.5801                               |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 166.054993                               |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 2.46555519                               |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 17699.4063                               |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 533.344971                               |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr                |
| k_CurrOffNoofAvg_Cnt_u16                                       | 115                                      |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 20                                       |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 2.42044473                               |
| k MtrCurrEOLMinOffset Volts f32                                | 1.16527128                               |
| k MtrCurrOffLoComOff Cnt u16                                   | 852                                      |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 2.59128475                               |
| tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32.value                 | 1.64014673                               |
| tgt CmMtrCurr Per3 MtrVel MtrRadpS f32.value                   | 1065.00781                               |
| tgt CmMtrCurr Per3 Vecu Volt f32.value                         | 10.0699291                               |
| tgt CmMtrCurr Per3 VehSpd Kph f32.value                        | 87.1394653                               |
| tgt CmMtrCurr Per3 VhSpdValid Cnt lgc.value                    | 1                                        |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32               | 7335.57324                               |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                | 1.40194368                               |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                | 1.55063355                               |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32              | 2.35192561                               |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32              | 1.89161241                               |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32 | tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32 |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16     | tgt CmMtrCurr Per3 ComOffset Cnt u16     |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32   | tgt CmMtrCurr Per3 MtrVel MtrRadpS f32   |





| Name                                                        | Input Value                           |                           |          |
|-------------------------------------------------------------|---------------------------------------|---------------------------|----------|
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32      | tgt_CmMtrCurr_Per3_Vecu_Volt_f32      |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32     | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32     |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                     | tgt_Pim_ShCurrCal                     |                           |          |
| Name                                                        | Actual Value                          | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                       | 27                                    | 27 ± 1                    | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                           | CURROFF_INTIALISE                     | CURROFF_INTIALISE         | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                         | 0                                     | 0                         | <b>✓</b> |
| CmMtrCurr_CurroffProcessFlag_M_enum                         | 3                                     | 3                         | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                       | 1.38621521                            | 1.38621521 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                       | 3.75889993                            | 3.75889993 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                     | 3.75889993                            | 3.75889993 ± 0.0003       | <b>~</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                          | 44898.4609                            | 44898.4609 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                          | 2.58627987                            | 2.58627987 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                        | 18428.4707                            | 18428.4707 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                       | 2.38276362                            | 2.38276362 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                       | 1.04989088                            | 1.04989088 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                     | 1.35347366                            | 1.35347366 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                          | 21369.5801                            | 21369.5801 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                          | 166.054993                            | 166.054993 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                        | 2.46555519                            | 2.46555519 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                       | 17699.4063                            | 17699.4063 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                                | 533.344971                            | 533.344971 ± 0.0009765625 | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                  | 0                                     | 0 ± 1                     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32            | 7335.57324                            | 7335.57324 ± 0.004        | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32             | 1.40194368                            | 1.40194368 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32             | 1.55063355                            | 1.55063355 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32           | 2.35192561                            | 2.35192561 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32           | 1.89161241                            | 1.89161241 ± 0.0003       | ~        |

| Test Step Call Trace                          |       |                                               |       |          |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|--|
| Actual Function                               | Count | Expected Function                             | Count | Result   |  |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |  |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |  |

| Test Step 2.30 (Repeat Count = 1)                | <b>✓</b>                  |
|--------------------------------------------------|---------------------------|
| Name                                             | Input Value               |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16            | 28                        |
| CmMtrCurr_CurrOffState_Uls_M_enum                | CURROFF_ZEROAVERAGE       |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc              | 1                         |
| CmMtrCurr_CurroffProcessFlag_M_enum              | 3                         |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32            | 2.3681531                 |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32            | 2.40540409                |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32          | 2.40540409                |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32               | 47839.5703                |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32               | 2.18104506                |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32             | 21369.5801                |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32            | 1.92404044                |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32            | 2.69780493                |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32          | 1.7515341                 |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32               | 24310.6895                |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32               | 177.184998                |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32             | 3                         |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32            | 74187.0156                |
| CmMtrCurr_VecuSum_Volt_M_f32                     | 544.474976                |
| Rte_Inst_Sa_CmMtrCurr                            | tgt_Rte_Inst_Sa_CmMtrCurr |
| k_CurrOffNoofAvg_Cnt_u16                         | 120                       |
| k_MaxCurrOffMtrVel_RadpS_f32                     | 3.5                       |
| k_MtrCurrEOLMaxOffset_Volts_f32                  | 2.35738397                |
| k_MtrCurrEOLMinOffset_Volts_f32                  | 2.18284035                |
| k_MtrCurrOffLoComOff_Cnt_u16                     | 963                       |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value   | 1.05517173                |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value   | 3                         |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value     | -627.210938               |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value           | 29.2086487                |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value          | 30.014267                 |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value      | 1                         |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 | 814.319275                |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  | 3                         |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32  | 1.10841858                |

tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32

 $tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32$ 





| Name                                                           | Input Value                              |                                      |          |  |  |
|----------------------------------------------------------------|------------------------------------------|--------------------------------------|----------|--|--|
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.16706681                               |                                      |          |  |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                                        |                                      |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 |                                      |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2           | 2_Volts_f32                          |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_C           | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16 |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRa          | adpS_f32                             |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f3          | 32                                   |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph            | _f32                                 |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_           | Cnt_lgc                              |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                        |                                      |          |  |  |
| Name                                                           | Actual Value                             | Expected Value                       | Result   |  |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 28                                       | 28 ± 1                               | -        |  |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE                        | CURROFF_INTIALISE                    | -        |  |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 0                                        | 0                                    | -        |  |  |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 3                                        | 3                                    | <b>✓</b> |  |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 2.3681531                                | 2.3681531 ± 0.0003                   | -        |  |  |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 2.40540409                               | 2.40540409 ± 0.0003                  | •        |  |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 2.40540409                               | 2.40540409 ± 0.0003                  | -        |  |  |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 47839.5703                               | 47839.5703 ± 0.0003                  | <b>-</b> |  |  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 2.18104506                               | 2.18104506 ± 0.0003                  | <b>-</b> |  |  |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 21369.5801                               | 21369.5801 ± 0.0003                  | <b>-</b> |  |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 1.92404044                               | 1.92404044 ± 0.0003                  | <b>→</b> |  |  |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 2.69780493                               | 2.69780493 ± 0.0003                  | •        |  |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 1.7515341                                | 1.7515341 ± 0.0003                   | <b>→</b> |  |  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 24310.6895                               | 24310.6895 ± 0.0003                  | <b>-</b> |  |  |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 177.184998                               | 177.184998 ± 0.0003                  |          |  |  |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 3                                        | 3 ± 0.0003                           | <b>-</b> |  |  |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 74187.0156                               | 74187.0156 ± 0.001                   | <b>-</b> |  |  |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 544.474976                               | 544.474976 ± 0.0009765625            | <b>-</b> |  |  |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                     | 0                                        | 0 ± 1                                | •        |  |  |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 814.319275                               | 814.319275 ± 0.004                   | •        |  |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                                        | 3 ± 0.0003                           | <b>~</b> |  |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 1.10841858                               | 1.10841858 ± 0.0003                  | <b>~</b> |  |  |
|                                                                |                                          |                                      |          |  |  |

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |

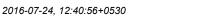
2.16706681

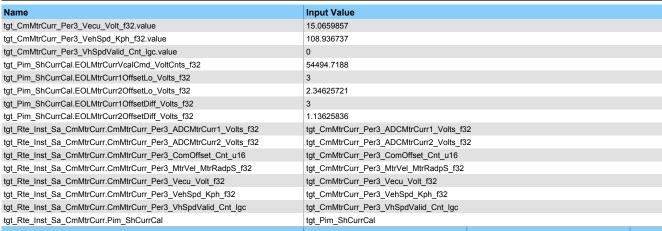
3

2.16706681 ± 0.0003

3 ± 0.0003

| Test Step 2.31 (Repeat Count = 1)              | <b>✓</b>                  |
|------------------------------------------------|---------------------------|
| Name                                           | Input Value               |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16          | 29                        |
| CmMtrCurr_CurrOffState_Uls_M_enum              | CURROFF_ZEROAVERAGE       |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc            | 1                         |
| CmMtrCurr_CurroffProcessFlag_M_enum            | 1                         |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32          | 1.1426152                 |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32          | 3                         |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32        | 3                         |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32             | 2.16658521                |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32             | 3.87540007                |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32           | 24310.6895                |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32          | 3                         |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32          | 2.56662393                |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32        | 2.13700366                |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32             | 27251.8008                |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32             | 10.2349997                |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32           | 1.95115638                |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32          | 10990.1563                |
| CmMtrCurr_VecuSum_Volt_M_f32                   | 555.60498                 |
| Rte_Inst_Sa_CmMtrCurr                          | tgt_Rte_Inst_Sa_CmMtrCurr |
| k_CurrOffNoofAvg_Cnt_u16                       | 125                       |
| k_MaxCurrOffMtrVel_RadpS_f32                   | 0                         |
| k_MtrCurrEOLMaxOffset_Volts_f32                | 2.02416611                |
| k_MtrCurrEOLMinOffset_Volts_f32                | 2.74298716                |
| k_MtrCurrOffLoComOff_Cnt_u16                   | 741                       |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value | 1.11736822                |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value | 0.458493233               |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value   | 319.96756                 |





| igi_Rie_insi_s | a_CmivitCun.Pim_ShCunCai              | Igi_Piiii_SiiCuiiCai |                          |        |
|----------------|---------------------------------------|----------------------|--------------------------|--------|
| Name           |                                       | Actual Value         | Expected Value           | Result |
| CmMtrCurr_Cu   | rrOffAvgCounter_Cnt_M_u16             | 29                   | 29 ± 1                   | ~      |
| CmMtrCurr_Cu   | rrOffState_Uls_M_enum                 | CURROFF_INTIALISE    | CURROFF_INTIALISE        | ~      |
| CmMtrCurr_Cu   | rrOffTrimFlag_Cnt_M_lgc               | 0                    | 0                        | ~      |
| CmMtrCurr_Cu   | rroffProcessFlag_M_enum               | 3                    | 3                        | ~      |
| CmMtrCurr_Mt   | rCurr1OffsetHi_Volt_M_f32             | 1.1426152            | 1.1426152 ± 0.0003       | ~      |
| CmMtrCurr_Mt   | rCurr1OffsetLo_Volt_M_f32             | 3                    | 3 ± 0.0003               | ~      |
| CmMtrCurr_Mt   | rCurr1OffsetZero_Volt_M_f32           | 3                    | 3 ± 0.0003               | ~      |
| CmMtrCurr_Mt   | rCurr1SumHi_Volt_M_f32                | 2.16658521           | 2.16658521 ± 0.0003      | ~      |
| CmMtrCurr_Mt   | rCurr1SumLo_Volt_M_f32                | 3.87540007           | 3.87540007 ± 0.0003      | ~      |
| CmMtrCurr_Mt   | rCurr1SumZero_Volt_M_f32              | 24310.6895           | 24310.6895 ± 0.0003      | ~      |
| CmMtrCurr_Mt   | rCurr2OffsetHi_Volt_M_f32             | 3                    | 3 ± 0.0003               | ~      |
| CmMtrCurr_Mt   | rCurr2OffsetLo_Volt_M_f32             | 2.56662393           | 2.56662393 ± 0.0003      | ~      |
| CmMtrCurr_Mt   | rCurr2OffsetZero_Volt_M_f32           | 2.13700366           | 2.13700366 ± 0.0003      | ~      |
| CmMtrCurr_Mt   | rCurr2SumHi_Volt_M_f32                | 27251.8008           | 27251.8008 ± 0.0003      | ~      |
| CmMtrCurr_Mt   | rCurr2SumLo_Volt_M_f32                | 10.2349997           | 10.2349997 ± 0.0003      | ~      |
| CmMtrCurr_Mt   | rCurr2SumZero_Volt_M_f32              | 1.95115638           | 1.95115638 ± 0.0003      | ~      |
| CmMtrCurr_Mt   | rCurrValCmd_VoltCnt_M_f32             | 10990.1563           | 10990.1563 ± 0.001       | ~      |
| CmMtrCurr_Ve   | cuSum_Volt_M_f32                      | 555.60498            | 555.60498 ± 0.0009765625 | ~      |
| tgt_CmMtrCurr  | _Per3_ComOffset_Cnt_u16.value         | 0                    | 0 ± 1                    | ~      |
| tgt_Pim_ShCu   | rrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 54494.7188           | 54494.7188 ± 0.004       | ~      |
| tgt_Pim_ShCu   | rrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3                    | 3 ± 0.0003               | ~      |
| tgt_Pim_ShCu   | rrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.34625721           | 2.34625721 ± 0.0003      | ~      |
| tgt_Pim_ShCu   | rrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                    | 3 ± 0.0003               | ~      |
| tgt_Pim_ShCu   | rrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.13625836           | 1.13625836 ± 0.0003      | ~      |
|                |                                       |                      |                          |        |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.32 (Repeat Count = 1)       |                           | ✓ |
|-----------------------------------------|---------------------------|---|
| Name                                    | Input Value               |   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 30                        |   |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_LOAVERAGE         |   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                         |   |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 0                         |   |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 3                         |   |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 4.52099991                |   |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 4.52099991                |   |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 2.70221376                |   |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 2.97247601                |   |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 27251.8008                |   |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 3                         |   |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 2.58498359                |   |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 2.804142                  |   |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32      | 1.22132409                |   |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32      | 21.3649998                |   |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32    | 1.21605432                |   |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32   | 56785                     |   |
| CmMtrCurr_VecuSum_Volt_M_f32            | 566.734985                |   |
| Rte_Inst_Sa_CmMtrCurr                   | tgt_Rte_Inst_Sa_CmMtrCurr |   |
| k_CurrOffNoofAvg_Cnt_u16                | 130                       |   |
| k_MaxCurrOffMtrVel_RadpS_f32            | -2.5                      |   |

2016-07-24, 12:40:56+0530



| Name                                                                                                                                              | Input Value                      |                                   |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------|----------|
| k_MtrCurrEOLMaxOffset_Volts_f32                                                                                                                   | 3                                |                                   |          |
| k_MtrCurrEOLMinOffset_Volts_f32                                                                                                                   | 2.7864852                        |                                   |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                                                                                                      | 852                              |                                   |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                                                                                                    | 3                                | 3                                 |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                                                                                                    | 3                                |                                   |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                                                                                                      | 976.553101                       |                                   |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                                                                                            | 13.73598                         |                                   |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                                                                                           | 197.528702                       |                                   |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                                                                                                       | 0                                |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                                                  | 6106.29541                       |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                                                                                   | 1.64925992                       |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                                                                                   | 3                                |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                                                                 | 1.18993354                       |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                                                                                 | 2.38486934                       |                                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32                                                                                    | tgt_CmMtrCurr_Per3_ADCMtrCurr1   | _Volts_f32                        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32                                                                                    | tgt_CmMtrCurr_Per3_ADCMtrCurr2   | _Volts_f32                        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                        | tgt_CmMtrCurr_Per3_ComOffset_C   | nt_u16                            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32                                                                                      | tgt_CmMtrCurr_Per3_MtrVel_MtrRa  | dpS_f32                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32                                                                                            | tgt_CmMtrCurr_Per3_Vecu_Volt_f3: | 2                                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32                                                                                           | tgt_CmMtrCurr_Per3_VehSpd_Kph_   | _f32                              |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc                                                                                       | tgt_CmMtrCurr_Per3_VhSpdValid_0  | Cnt_lgc                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                                                                                           | tgt_Pim_ShCurrCal                |                                   |          |
| Name                                                                                                                                              | Actual Value                     | Expected Value                    | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                                             | 30                               | 30 ± 1                            | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                                                 | CURROFF_INTIALISE                | CURROFF_INTIALISE                 | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                                               | 0                                | 0                                 | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                                               | 3                                | 3                                 | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                                             | 3                                | 3 ± 0.0003                        | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                                             | 4.52099991                       | 4.52099991 ± 0.0003               | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                                           | 4.52099991                       | 4.52099991 ± 0.0003               | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                                                | 2.70221376                       | 2.70221376 ± 0.0003               | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                                                | 2.97247601                       | 2.97247601 ± 0.0003               | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                              | 27251.8008                       | 27251.8008 ± 0.0003               | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                                             | 3                                | 3 ± 0.0003                        | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                                             | 2.58498359                       | 2.58498359 ± 0.0003               | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                                           | 2.804142                         | 2.804142 ± 0.0003                 | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                                                | 1.22132409                       | 1.22132409 ± 0.0003               | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                                                | 21.3649998                       | 21.3649998 ± 0.0003               | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                                                              | 1.21605432                       | 1.21605432 ± 0.0003               | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                                             | 56785                            | 56785 ± 0.001                     | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                                                                                                                      | 566.734985                       | 566.734985 ± 0.0009765625         | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                                                                                                        | 0                                | 0 ± 1                             | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                                                  | 6106.29541                       | 6106.29541 ± 0.004                | <b>✓</b> |
|                                                                                                                                                   |                                  |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                                                                                   | 1.64925992                       | 1.64925992 ± 0.0003               | ~        |
|                                                                                                                                                   | 1.64925992<br>3                  | 1.64925992 ± 0.0003<br>3 ± 0.0003 |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 |                                  |                                   |          |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.33 (Repeat Count = 1)       |                   | <b>~</b> |
|-----------------------------------------|-------------------|----------|
| Name                                    | Input Value       |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 42                |          |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_HIAVERAGE |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                 |          |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 2                 |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 1.45582378        |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 1.78107488        |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 1.78107488        |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 125.410637        |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 3                 |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 110.404999        |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 3                 |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 3                 |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 1.35347366        |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32      | 10.2349997        |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32      | 36075.1289        |          |

CmMtrCurr\_Per3

2016-07-24, 12:40:56+0530



Input Value  $CmMtrCurr\_MtrCurr2SumZero\_Volt\_M\_f32$ 199.445007 CmMtrCurr\_MtrCurrValCmd\_VoltCnt\_M\_f32 62192.375 CmMtrCurr\_VecuSum\_Volt\_M\_f32 0 Rte\_Inst\_Sa\_CmMtrCurr tgt\_Rte\_Inst\_Sa\_CmMtrCurr k\_CurrOffNoofAvg\_Cnt\_u16 3350 k\_MaxCurrOffMtrVel\_RadpS\_f32 12.229619 k\_MtrCurrEOLMaxOffset\_Volts\_f32 2.94048262  $k\_MtrCurrEOLMinOffset\_Volts\_f32$ 2.32975316 k\_MtrCurrOffLoComOff\_Cnt\_u16 600 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32.value 0.425478697 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32.value 2.19067407 tgt\_CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32.value 12 tgt\_CmMtrCurr\_Per3\_Vecu\_Volt\_f32.value 20.8203239 tgt CmMtrCurr Per3 VehSpd Kph f32.value 1 22093002e-008 tgt\_CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc.value 72154  $tgt\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32$  $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32$ 1.47219872 tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32 3  $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32$ 1.17255747 tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32 1.227018 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32$ tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16 tgt\_CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32 tgt\_CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_Vecu\_Volt\_f32 tgt\_CmMtrCurr\_Per3\_Vecu\_Volt\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_VehSpd\_Kph\_f32$ tgt\_CmMtrCurr\_Per3\_VehSpd\_Kph\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc$ tgt\_CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_ShCurrCal$ tgt\_Pim\_ShCurrCal

| 9                                                 | 1.9               |                           |          |
|---------------------------------------------------|-------------------|---------------------------|----------|
| Name                                              | Actual Value      | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 43                | 43 ± 1                    | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_HIAVERAGE | CURROFF_HIAVERAGE         | ✓        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                 | 1                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                 | 1                         | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 1.45582378        | 1.45582378 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 1.78107488        | 1.78107488 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 1.78107488        | 1.78107488 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 125.836113        | 125.836113 ± 0.0003       | ✓        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 3                 | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 110.404999        | 110.404999 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 3                 | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 1.35347366        | 1.35347366 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 12.4256735        | 12.4256744 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 36075.1289        | 36075.1289 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 199.445007        | 199.445007 ± 0.0003       | ✓        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 62192.375         | 62192.375 ± 0.001         | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 20.8203239        | 20.8203239 ± 0.0009765625 | ✓        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 4000              | 4000 ± 1                  | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 72154             | 72154 ± 0.004             | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.47219872        | 1.47219872 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.17255747        | 1.17255747 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.227018          | 1.227018 ± 0.0003         | ✓        |

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | •      |

| Test Step 2.34 (Repeat Count = 1)       |                   | <b>✓</b> |
|-----------------------------------------|-------------------|----------|
| Name                                    | Input Value       |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 31                |          |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_INTIALISE |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                 |          |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3                 |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 3                 |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 4.0999999         |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 4.0999999         |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 1.48992085        |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 1.68548179        |          |



| CmMtrCurr_Per3                                         | 2016-07-24, 12:40:56+0530 |                        | Razorcat |
|--------------------------------------------------------|---------------------------|------------------------|----------|
| Name                                                   | Input Value               |                        |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                   | 30192.9102                |                        |          |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                  | 1.64645708                |                        |          |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                  | 3.98569989                |                        |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                | 2.64458537                |                        |          |
| CmMtrCurr MtrCurr2SumHi Volt M f32                     | 1.35220647                |                        |          |
| CmMtrCurr MtrCurr2SumLo Volt M f32                     | 32.4949989                |                        |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                   | 3                         |                        |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                  | 65784.1328                |                        |          |
| CmMtrCurr_VecuSum_Volt_M_f32                           | 577.86499                 |                        |          |
| Rte_Inst_Sa_CmMtrCurr                                  | tgt_Rte_Inst_Sa_CmMt      | trCurr                 |          |
| k_CurrOffNoofAvg_Cnt_u16                               | 135                       |                        |          |
| k_MaxCurrOffMtrVel_RadpS_f32                           | 8.21017742                |                        |          |
| k MtrCurrEOLMaxOffset Volts f32                        | 2.68886065                |                        |          |
| k MtrCurrEOLMinOffset Volts f32                        | 1.79667687                |                        |          |
| k MtrCurrOffLoComOff Cnt u16                           | 674                       |                        |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value         | 3                         |                        |          |
| tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32.value         | 2.4808383                 |                        |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value           | 8                         |                        |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                 | 25.8124847                |                        |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                | 1.52093005e-008           |                        |          |
| tgt CmMtrCurr Per3 VhSpdValid Cnt Igc.value            | 1                         |                        |          |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32       | 48316.1758                |                        |          |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32        | 2.95542264                |                        |          |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32        | 3                         |                        |          |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32      | 1.64321661                |                        |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32      | 2.54192924                |                        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_  |                           | ADCMtrCurr1 Volts f32  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_  |                           |                        |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cr  |                           |                        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRad |                           |                        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 |                           |                        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_   |                           |                        |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VhSpdValid C  |                           |                        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                | tgt_Pim_ShCurrCal         | , = =0                 |          |
| Name                                                   | Actual Value              | Expected Value         | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                  | 0                         | 0 ± 1                  | ✓ ×      |
| CmMtrCurr_CurrOffState_Uls_M_enum                      | CURROFF HIAVERAG          |                        | E 🗸      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                    | 1                         | 1                      |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                    | 1                         | 1                      | <b>~</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                  | 3                         | 3 ± 0.0003             |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                  | 4.0999999                 | $4.0999999 \pm 0.0003$ | <b>~</b> |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                | 4.099999                  | 4.099999 ± 0.0003      | <b>~</b> |
| CmMtrCurr MtrCurr1SumHi Volt M f32                     | 0                         | 0 ± 0.0003             | <b>V</b> |
| CmMtrCurr MtrCurr1SumLo Volt M f32                     | 0                         | 0 ± 0.0003             |          |
| CmMtrCurr MtrCurr1SumZero Volt M f32                   | 30192.9102                | 30192.9102 ± 0.0003    | ·        |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                  | 1.64645708                | 1.64645708 ± 0.0003    |          |

| Name                                              | Actual Value      | Expected Value      | Result   |
|---------------------------------------------------|-------------------|---------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 0                 | 0 ± 1               | <b>✓</b> |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_HIAVERAGE | CURROFF_HIAVERAGE   | ✓        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                 | 1                   | <b>✓</b> |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                 | 1                   | ✓        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003          | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 4.0999999         | 4.0999999 ± 0.0003  | ✓        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 4.0999999         | 4.0999999 ± 0.0003  | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 0                 | 0 ± 0.0003          | ✓        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 0                 | 0 ± 0.0003          | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 30192.9102        | 30192.9102 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 1.64645708        | 1.64645708 ± 0.0003 | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 3.98569989        | 3.98569989 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.64458537        | 2.64458537 ± 0.0003 | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 0                 | 0 ± 0.0003          | ✓        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 0                 | 0 ± 0.0003          | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 3                 | 3 ± 0.0003          | ✓        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 65784.1328        | 65784.1328 ± 0.001  | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 0                 | 0 ± 0.0009765625    | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 4000              | 4000 ± 1            | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 48316.1758        | 48316.1758 ± 0.004  | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.95542264        | 2.95542264 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003          | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.64321661        | 1.64321661 ± 0.0003 | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.54192924        | 2.54192924 ± 0.0003 | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | •      |

| Test Step 2.35 (Repeat Count = 1)     | ✓            |
|---------------------------------------|--------------|
| Name                                  | Input Value  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 | 32           |
| CmMtrCurr_CurrOffState_Uls_M_enum     | CURROFF_CALC |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc   | 1            |

2016-07-24, 12:40:56+0530



| CmixtrCurr_Per3                                                |                                  |                   | Taboltab |
|----------------------------------------------------------------|----------------------------------|-------------------|----------|
| Name                                                           | Input Value                      |                   |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 0                                |                   |          |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 3                                |                   |          |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 4.19999981                       |                   |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 4.19999981                       |                   |          |
| CmMtrCurr1SumHi Volt M f32                                     | 3                                |                   |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 3.12540007                       |                   |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 33134.0195                       |                   |          |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                          | 3                                |                   |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 3.41750002                       |                   |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 2.66018128                       |                   |          |
| CmMtrCurr MtrCurr2SumHi Volt M f32                             | 3                                |                   |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 43.625                           |                   |          |
| CmMtrCurr MtrCurr2SumZero Volt M f32                           | 1.87105429                       |                   |          |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                          | 54641.4297                       |                   |          |
| CmMtrCurr VecuSum Volt M f32                                   | 588.994995                       |                   |          |
| Rte Inst Sa CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr        |                   |          |
| k CurrOffNoofAvg Cnt u16                                       | 140                              |                   |          |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 10.7542696                       |                   |          |
| k MtrCurrEOLMaxOffset Volts f32                                | 3                                |                   |          |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 3                                |                   |          |
| k MtrCurrOffLoComOff Cnt u16                                   | 624                              |                   |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 2.35665202                       |                   |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 1.39090562                       |                   |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 10                               |                   |          |
| tgt CmMtrCurr Per3 Vecu Volt f32.value                         | 10.8860092                       |                   |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.42093004e-008                  |                   |          |
| tgt CmMtrCurr Per3 VhSpdValid Cnt lgc.value                    | 1                                |                   |          |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32               | 5549.88623                       |                   |          |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                | 3                                |                   |          |
|                                                                | 2.08785343                       |                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.94626999                       |                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.92457032                       |                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              |                                  | Valta f22         |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_  | _                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_  |                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cr  | _                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRad | · <del>-</del>    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32 |                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_   |                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CmMtrCurr_Per3_VhSpdValid_C  | int_igc           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                | I=                |          |
| Name                                                           | Actual Value                     | Expected Value    | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 32                               | 32 ± 1            | <b>✓</b> |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE                | CURROFF_INTIALISE | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 0                                | 0                 | <b>✓</b> |
|                                                                |                                  |                   |          |

| tgt_Rte_inst_Sa_CrimitrCurr.Plin_ShCurrCal        | igi_Pim_Shcuricai |                           |          |  |
|---------------------------------------------------|-------------------|---------------------------|----------|--|
| Name                                              | Actual Value      | Expected Value            | Result   |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 32                | 32 ± 1                    | ~        |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_INTIALISE | CURROFF_INTIALISE         | <b>✓</b> |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 0                 | 0                         | ~        |  |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 3                 | 3                         | ~        |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | ~        |  |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 4.19999981        | 4.19999981 ± 0.0003       | <b>✓</b> |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 4.19999981        | 4.19999981 ± 0.0003       | ~        |  |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 3                 | 3 ± 0.0003                | <b>✓</b> |  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 3.12540007        | 3.12540007 ± 0.0003       | <b>✓</b> |  |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 33134.0195        | 33134.0195 ± 0.0003       | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 3.41750002        | 3.41750002 ± 0.0003       | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.66018128        | 2.66018128 ± 0.0003       | ~        |  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 3                 | 3 ± 0.0003                | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 43.625            | 43.625 ± 0.0003           | ~        |  |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 1.87105429        | 1.87105429 ± 0.0003       | <b>✓</b> |  |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 54641.4297        | 54641.4297 ± 0.001        | <b>✓</b> |  |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 588.994995        | 588.994995 ± 0.0009765625 | <b>✓</b> |  |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                 | 0 ± 1                     | <b>✓</b> |  |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 5549.88623        | 5549.88623 ± 0.004        | <b>✓</b> |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003                | ~        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.08785343        | 2.08785343 ± 0.0003       | <b>✓</b> |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.94626999        | 2.94626999 ± 0.0003       | ~        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.92457032        | 2.92457032 ± 0.0003       | ~        |  |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~        |





| Test Step 2.36 (Repeat Count = 1)                                                                                                |                                                                    |                                  | <b>✓</b> |
|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------|----------|
| Name                                                                                                                             | Input Value                                                        |                                  |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                            | 33                                                                 |                                  |          |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                                | CURROFF_HIAVERAGE                                                  |                                  |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                              | 1                                                                  |                                  |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                              | 0                                                                  |                                  |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                            | 2.44151449                                                         |                                  |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                            | 4.30000019                                                         |                                  |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                          | 4.30000019                                                         |                                  |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                               | 1.63504803                                                         |                                  |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                               | 2.00935435                                                         |                                  |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                             | 36075.1289                                                         |                                  |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                            | 2.91423535                                                         |                                  |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                            | 4.0999999                                                          |                                  |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                          | 1.78107488<br>1.76121855                                           |                                  |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr MtrCurr2SumLo Volt M f32                                                            | 54.7550011                                                         |                                  |          |
| CmMtrCurr MtrCurr2SumZero Volt M f32                                                                                             | 3                                                                  |                                  |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                            | 35505.4063                                                         |                                  |          |
| CmMtrCurr VecuSum Volt M f32                                                                                                     | 600.125                                                            |                                  |          |
| Rte_Inst_Sa_CmMtrCurr                                                                                                            | tgt_Rte_Inst_Sa_CmMtrCurr                                          |                                  |          |
| k_CurrOffNoofAvg_Cnt_u16                                                                                                         | 145                                                                |                                  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                                                                                                     | 15.0080853                                                         |                                  |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                                                                                  | 3                                                                  |                                  |          |
| k_MtrCurrEOLMinOffset_Volts_f32                                                                                                  | 2.46811771                                                         |                                  |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                                                                                     | 654                                                                |                                  |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                                                                                   | 3                                                                  |                                  |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                                                                                   | 0.596982956                                                        |                                  |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                                                                                     | 15                                                                 |                                  |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                                                                           | 17.0688171                                                         |                                  |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                                                                          | 1.32093003e-008                                                    |                                  |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                                                                                      | 1                                                                  |                                  |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                                 | 77261.1328                                                         |                                  |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                                                                  | 2.34409523                                                         |                                  |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                                                                  | 2.70458388                                                         |                                  |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                                                | 2.86090136                                                         |                                  |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                                                                | 3                                                                  | Volta f22                        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32<br>tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_<br>tgt_CmMtrCurr_Per3_ADCMtrCurr2_ | _                                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                       | tgt CmMtrCurr Per3 ComOffset Cr                                    |                                  |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32                                                                     | tgt CmMtrCurr Per3 MtrVel MtrRad                                   | _                                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32                                                                           | tgt_CmMtrCurr_Per3_Vecu_Volt_f32                                   | · <del>-</del>                   |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32                                                                          | tgt_CmMtrCurr_Per3_VehSpd_Kph_                                     |                                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc                                                                      | tgt_CmMtrCurr_Per3_VhSpdValid_C                                    |                                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                                                                          | tgt_Pim_ShCurrCal                                                  |                                  |          |
| Name                                                                                                                             | Actual Value                                                       | Expected Value                   | Result   |
| CmMtrCurr CurrOffAvgCounter Cnt M u16                                                                                            | 34                                                                 | 34 ± 1                           | •        |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                                | CURROFF_HIAVERAGE                                                  | CURROFF_HIAVERAGE                | •        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                              | 1                                                                  | 1                                | •        |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                              | 1                                                                  | 1                                | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                            | 2.44151449                                                         | 2.44151449 ± 0.0003              | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                            | 4.30000019                                                         | 4.30000019 ± 0.0003              | •        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                          | 4.30000019                                                         | 4.30000019 ± 0.0003              | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                               | 4.63504791                                                         | 4.63504791 ± 0.0003              | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                               | 2.00935435                                                         | 2.00935435 ± 0.0003              | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                             | 36075.1289                                                         | 36075.1289 ± 0.0003              | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                            | 2.91423535                                                         | 2.91423535 ± 0.0003              |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                            | 4.0999999                                                          | 4.0999999 ± 0.0003               | <b>*</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                          | 1.78107488                                                         | 1.78107488 ± 0.0003              | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                               | 2.3582015                                                          | 2.3582015 ± 0.0003               | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                               | 54.7550011<br>3                                                    | 54.7550011 ± 0.0003              | - 4      |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr MtrCurrValCmd VoltCnt M f32                                                       | 35505.4063                                                         | 3 ± 0.0003<br>35505.4063 ± 0.001 |          |
| CmMtrCurr VecuSum Volt M f32                                                                                                     | 617.193848                                                         | 617.193848 ± 0.0009765625        | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                                                                                       | 4000                                                               | 4000 ± 1                         |          |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32                                                                                 | 77261.1328                                                         | 77261.1328 ± 0.004               | ·        |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                                                                                  | 2.34409523                                                         | 2.34409523 ± 0.0003              |          |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                                                                                  | 2.70458388                                                         | 2.70458388 ± 0.0003              | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                                                | 2.86090136                                                         | 2.86090136 ± 0.0003              | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                                                                | 3                                                                  | 3 ± 0.0003                       | ~        |
| tgC_1 III_GITGUITGUITGUITGUITGUITGUITGUITGUITGUITG                                                                               |                                                                    |                                  |          |



| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | •        |

| Test Step 2.37 (Repeat Count = 1)                              |                                 |                       |     |
|----------------------------------------------------------------|---------------------------------|-----------------------|-----|
| Name                                                           | Input Value                     |                       |     |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 34                              |                       |     |
| CmMtrCurr CurrOffState Uls M enum                              | CURROFF_LOAVERAGE               |                       |     |
| CmMtrCurr CurrOffTrimFlag Cnt M Igc                            | 1                               |                       |     |
| CmMtrCurr CurroffProcessFlag M enum                            | 1                               |                       |     |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 3                               |                       |     |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 4.4000001                       |                       |     |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 4.4000001                       |                       |     |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 1.16198051                      |                       |     |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 2.49484968                      |                       |     |
| CmMtrCurr MtrCurr1SumZero Volt M f32                           | 39016.2383                      |                       |     |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                          | 1.91161692                      |                       |     |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                          | 4.19999981                      |                       |     |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 2.08536386                      |                       |     |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 29.4384918                      |                       |     |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 12546.25                        |                       |     |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 2.1677835                       |                       |     |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                          | 56885.8242                      |                       |     |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 611.255005                      |                       |     |
| Rte Inst Sa CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr       |                       |     |
| k_CurrOffNoofAvg_Cnt_u16                                       | 150                             |                       |     |
| k MaxCurrOffMtrVel RadpS f32                                   | 0.119885504                     |                       |     |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 3                               |                       |     |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 1.68836021                      |                       |     |
| k MtrCurrOffLoComOff Cnt u16                                   | 617                             |                       |     |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 0.214018106                     |                       |     |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 3                               |                       |     |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 0                               |                       |     |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 7.86561155                      |                       |     |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.22093002e-008                 |                       |     |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                               |                       |     |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 35326.4414                      |                       |     |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 1.19832134                      |                       |     |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.70113182                      |                       |     |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.12521768                      |                       |     |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1.1041311                       |                       |     |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr1 Volts f32 | tgt CmMtrCurr Per3 ADCMtrCurr1  | Volts f32             |     |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt CmMtrCurr Per3 ADCMtrCurr2  |                       |     |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16     | tgt_CmMtrCurr_Per3_ComOffset_C  |                       |     |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRa | _                     |     |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f3 |                       |     |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph   |                       |     |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_  |                       |     |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal               | on_igc                |     |
|                                                                |                                 | Exposted Value        | Res |
| Name                                                           | Actual Value 35                 | Expected Value 35 ± 1 | Res |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          |                                 |                       |     |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_LOAVERAGE               | CURROFF_LOAVERAGE     |     |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                               | 1                     |     |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 1                               |                       |     |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 3                               | 3 ± 0.0003            |     |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 4.4000001                       | 4.4000001 ± 0.0003    |     |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 4.4000001                       | 4.400001 ± 0.0003     |     |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 1.16198051                      | 1.16198051 ± 0.0003   |     |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 2.70886779                      | 2.70886779 ± 0.0003   |     |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 39016.2383                      | 39016.2383 ± 0.0003   |     |
|                                                                | 14.04404000                     | 1.91161692 ± 0.0003   |     |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 1.91161692                      | 1.91101092 ± 0.0003   |     |

4.19999981

2.08536386

29.4384918

12549.25

2.1677835

56885.8242

611.255005

 $tgt\_CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16.value$ 

 $CmMtrCurr\_MtrCurr2OffsetLo\_Volt\_M\_f32$ 

 $CmMtrCurr\_MtrCurr2SumHi\_Volt\_M\_f32$ 

CmMtrCurr\_MtrCurr2SumLo\_Volt\_M\_f32

CmMtrCurr\_VecuSum\_Volt\_M\_f32

 $CmMtrCurr\_MtrCurr2SumZero\_Volt\_M\_f32$ 

 $CmMtrCurr\_MtrCurrValCmd\_VoltCnt\_M\_f32$ 

CmMtrCurr\_MtrCurr2OffsetZero\_Volt\_M\_f32

4.19999981 ± 0.0003

2.08536386 ± 0.0003

29.4384918 ± 0.0003

12549.25 ± 0.0003

2.1677835 ± 0.0003

56885.8242 ± 0.001

617 ± 1

611.255005 ± 0.0009765625





| Name                                              | Actual Value | Expected Value      | Result   |
|---------------------------------------------------|--------------|---------------------|----------|
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 35326.4414   | 35326.4414 ± 0.004  | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.19832134   | 1.19832134 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.70113182   | 2.70113182 ± 0.0003 | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.12521768   | 2.12521768 ± 0.0003 | <b>✓</b> |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 | 1.1041311    | 1.1041311 ± 0.0003  | ✓        |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.38 (Repeat Count = 1)                                                                                             |                                                                                  |                | <b>✓</b> |
|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------|----------|
| Name                                                                                                                          | Input Value                                                                      |                |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                         | 35                                                                               |                |          |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                             | CURROFF_ZEROAVERAGE                                                              |                |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                           | 1                                                                                |                |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                           | 1                                                                                |                |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                         | 1.07224905                                                                       |                |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                         | 4.5                                                                              |                |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                       | 4.5                                                                              |                |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                            | 2.45837879                                                                       |                |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                            | 1.82349932                                                                       |                |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                          | 41957.3516                                                                       |                |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                         | 1.71042848                                                                       |                |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                         | 4.30000019                                                                       |                |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                       | 1.85310507                                                                       |                |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                            | 28.6460514                                                                       |                |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                            | 15487.3604                                                                       |                |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                                          | 3                                                                                |                |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                         | 31522.125                                                                        |                |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                                                                                  | 622.38501                                                                        |                |          |
| Rte_Inst_Sa_CmMtrCurr                                                                                                         | tgt_Rte_Inst_Sa_CmMtrCurr                                                        |                |          |
| k_CurrOffNoofAvg_Cnt_u16                                                                                                      | 155                                                                              |                |          |
| k_MaxCurrOffMtrVel_RadpS_f32                                                                                                  | 13.8425341                                                                       |                |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                                                                               | 2.7211206                                                                        |                |          |
| k_MtrCurrEOLMinOffset_Volts_f32                                                                                               | 2.02014756                                                                       |                |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                                                                                  | 693                                                                              |                |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                                                                                | 0.224947453                                                                      |                |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                                                                                | 1.9297123                                                                        |                |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                                                                                  | 13                                                                               |                |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                                                                        | 5.44003773                                                                       |                |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                                                                       | 1.12093002e-008                                                                  |                |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                                                                                   | 0                                                                                |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                              | 1546.61206                                                                       |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                                                               | 3                                                                                |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                                                               | 1.69203067                                                                       |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                                             | 3                                                                                |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                                                             | 1.44071484                                                                       | 22             |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_t<br>tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_t |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr Per3_Aboviticun2_voits_i52                                                                | tgt CmMtrCurr Per3 ComOffset Cnt u16                                             | 102            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32                                                                  | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32                                           | 2              |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32                                                                        | tgt_CmMtrCurr_Per3_Vecu_Volt_f32                                                 | <u>-</u>       |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32                                                                       | tgt CmMtrCurr Per3 VehSpd Kph f32                                                |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VerlSpd_Rtpl_1S2                                                                     | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc                                            |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                                                                       | tgt Pim ShCurrCal                                                                |                |          |
| Name                                                                                                                          | Actual Value                                                                     | Expected Value | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                         | 35                                                                               | 35 ± 1         | Nesult   |

| Name                                    | Actual Value      | Expected Value      | Result   |
|-----------------------------------------|-------------------|---------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 35                | 35 ± 1              | ✓        |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_INTIALISE | CURROFF_INTIALISE   | ✓        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 0                 | 0                   | ✓        |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3                 | 3                   | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 1.07224905        | 1.07224905 ± 0.0003 | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 4.5               | $4.5 \pm 0.0003$    | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 4.5               | 4.5 ± 0.0003        | ✓        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 2.45837879        | 2.45837879 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 1.82349932        | 1.82349932 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 41957.3516        | 41957.3516 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 1.71042848        | 1.71042848 ± 0.0003 | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 4.30000019        | 4.30000019 ± 0.0003 | <b>✓</b> |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32 | 1.85310507        | 1.85310507 ± 0.0003 | ✓        |

CmMtrCurr\_Per3



| Name                                              | Actual Value | Expected Value           | Result   |
|---------------------------------------------------|--------------|--------------------------|----------|
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 28.6460514   | 28.6460514 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 15487.3604   | 15487.3604 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 3            | 3 ± 0.0003               | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 31522.125    | 31522.125 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 622.38501    | 622.38501 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0            | 0 ± 1                    | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 1546.61206   | 1546.61206 ± 0.004       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3            | 3 ± 0.0003               | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.69203067   | 1.69203067 ± 0.0003      | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003               | ~        |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 | 1.44071484   | 1.44071484 ± 0.0003      | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | ✓        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.39 (Repeat Count = 1)                                                                                   |                                          |                 | ✓        |  |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------|----------|--|
| Name                                                                                                                | Input Value                              |                 |          |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                               | 63                                       | 63              |          |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                   | CURROFF_HIAVERAGE                        |                 |          |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                 | 1                                        |                 |          |  |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                 | 3                                        |                 |          |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                               | 3                                        |                 |          |  |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                               | 4.5999999                                |                 |          |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                             | 4.5999999                                |                 |          |  |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                  | 0                                        |                 |          |  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                  | 2.98567462                               |                 |          |  |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                | 44898.4609                               |                 |          |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                               | 1.57437587                               |                 |          |  |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                                                                               | 4.4000001                                |                 |          |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                             | 1.31556726                               |                 |          |  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                  | 16.249506                                |                 |          |  |
| CmMtrCurr MtrCurr2SumLo Volt M f32                                                                                  | 18428.4707                               |                 |          |  |
| CmMtrCurr MtrCurr2SumZero Volt M f32                                                                                | 2.23846722                               |                 |          |  |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                                                                               | 25603.0664                               |                 |          |  |
| CmMtrCurr VecuSum Volt M f32                                                                                        | 633.515015                               |                 |          |  |
| Rte_Inst_Sa_CmMtrCurr                                                                                               | tgt_Rte_Inst_Sa_CmMtrCurr                |                 |          |  |
| k CurrOffNoofAvg Cnt u16                                                                                            | 160                                      |                 |          |  |
| k MaxCurrOffMtrVel RadpS f32                                                                                        | 9.50732899                               |                 |          |  |
| k MtrCurrEOLMaxOffset Volts f32                                                                                     | 2.87722993                               |                 |          |  |
| k_MtrCurrEOLMinOffset_Volts_f32                                                                                     | 3                                        |                 |          |  |
| k MtrCurrOffLoComOff Cnt u16                                                                                        | 555                                      |                 |          |  |
| tgt CmMtrCurr Per3 ADCMtrCurr1 Volts f32.value                                                                      | 3                                        |                 |          |  |
| tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32.value                                                                      | 1.91991305                               |                 |          |  |
| tgt CmMtrCurr Per3 MtrVel MtrRadpS f32.value                                                                        | 9                                        |                 |          |  |
| tgt CmMtrCurr Per3 Vecu Volt f32.value                                                                              | 11.3727503                               |                 |          |  |
| tgt CmMtrCurr Per3 VehSpd Kph f32.value                                                                             | 1.32093003e-008                          |                 |          |  |
| tgt_CrimitiCurr_rers_verispd_rtpri_rsz.value                                                                        | 1.320930036-000                          |                 |          |  |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32                                                                    | 6889.93945                               |                 |          |  |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                                                                     | 1.373541                                 |                 |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                                                     | 2.74678731                               |                 |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                                   | 1.2081331                                |                 |          |  |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_132                                                                   | 1.52772772                               |                 |          |  |
| tgt_Pim_Shcurical.EOLMircurizOnsetDin_voils_is2 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32      |                                          | Curr1 Volte f32 |          |  |
|                                                                                                                     | tgt_CmMtrCurr_Per3_ADCMtr                |                 |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32                                                      | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 |                 |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16                                                          | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16     |                 |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   |                 |          |  |
|                                                                                                                     | tgt_CmMtrCurr_Per3_Vecu_Volt_f32         |                 |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32                                                             | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32        |                 |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc                                                         | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    |                 |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                                                             | tgt_Pim_ShCurrCal                        | I=              | 1_       |  |
| Name                                                                                                                | Actual Value                             | Expected Value  | Result   |  |
| CmMtrCurr CurrOffAvaCounter Cnt M u16                                                                               | 64                                       | 64 ± 1          | <b>✓</b> |  |

| Name                                    | Actual Value      | Expected Value     | Result |
|-----------------------------------------|-------------------|--------------------|--------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 64                | 64 ± 1             | ~      |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_HIAVERAGE | CURROFF_HIAVERAGE  | ~      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                 | 1                  | ~      |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 1                 | 1                  | •      |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 3                 | 3 ± 0.0003         | ~      |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 4.5999999         | 4.5999999 ± 0.0003 | ~      |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 4.5999999         | 4.5999999 ± 0.0003 | ~      |





| Name                                              | Actual Value | Expected Value            | Result   |
|---------------------------------------------------|--------------|---------------------------|----------|
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 3            | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 2.98567462   | 2.98567462 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 44898.4609   | 44898.4609 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 1.57437587   | 1.57437587 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 4.4000001    | 4.4000001 ± 0.0003        | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 1.31556726   | 1.31556726 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 18.1694183   | 18.1694202 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 18428.4707   | 18428.4707 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 2.23846722   | 2.23846722 ± 0.0003       | •        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 25603.0664   | 25603.0664 ± 0.001        | •        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 644.887756   | 644.887756 ± 0.0009765625 | •        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 4000         | 4000 ± 1                  | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 6889.93945   | 6889.93945 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.373541     | 1.373541 ± 0.0003         | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.74678731   | 2.74678731 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.2081331    | 1.2081331 ± 0.0003        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.52772772   | 1.52772772 ± 0.0003       | ~        |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.40 (Repeat Count = 1)                              |                                        |                                          |               |  | 4        |
|----------------------------------------------------------------|----------------------------------------|------------------------------------------|---------------|--|----------|
|                                                                | Innut Value                            |                                          |               |  |          |
| Name                                                           | Input Value                            |                                          |               |  |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          |                                        |                                          |               |  |          |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | _                                      | CURROFF_HIAVERAGE                        |               |  |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                                      |                                          |               |  |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 3                                      |                                          |               |  |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 2.18156958                             |                                          |               |  |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 4.6999981                              |                                          |               |  |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 4.6999981                              |                                          |               |  |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 50000                                  |                                          |               |  |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 3                                      |                                          |               |  |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 47839.5703                             |                                          |               |  |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 3                                      |                                          |               |  |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 4.5                                    |                                          |               |  |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 2.69362235                             |                                          |               |  |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 8.32323647                             |                                          |               |  |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 21369.5801                             |                                          |               |  |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 143.794998                             |                                          |               |  |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 52238.7539                             |                                          |               |  |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 644.64502                              |                                          |               |  |          |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr              |                                          |               |  |          |
| k_CurrOffNoofAvg_Cnt_u16                                       | 1000                                   |                                          |               |  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 5.76168537                             |                                          |               |  |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 3                                      |                                          |               |  |          |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 2.70517826                             |                                          |               |  |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 1025                                   |                                          |               |  |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 0                                      |                                          |               |  |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 0.877636433                            |                                          |               |  |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 5                                      |                                          |               |  |          |
| tgt CmMtrCurr Per3 Vecu Volt f32.value                         | 28.716383                              |                                          |               |  |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.22093002e-008                        |                                          |               |  |          |
| tgt CmMtrCurr Per3 VhSpdValid Cnt lgc.value                    | 1                                      |                                          |               |  |          |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32               | 18718.8105                             |                                          |               |  |          |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                | 2.61436653                             |                                          |               |  |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.75549197                             |                                          |               |  |          |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32              | 1.20556092                             |                                          |               |  |          |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32              | 1.91193855                             |                                          |               |  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr0             | Curr1 Volts f32                          |               |  |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32 |                                        |                                          |               |  |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16     |                                        | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 |               |  |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32   | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16   |                                          |               |  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 |                                          |               |  |          |
|                                                                | tgt_CmMtrCurr_Per3_Vecu_Volt_f32       |                                          |               |  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32      |                                          |               |  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc  |                                          |               |  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                      |                                          | 1_            |  |          |
| Name                                                           | Actual Value                           |                                          | xpected Value |  | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 64                                     | 6-                                       | 4 ± 1         |  | <b>✓</b> |

tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32

 $tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32$ 

CmMtrCurr\_Per3

2016-07-24, 12:40:56+0530



1.20556092 ± 0.0003

1.91193855 ± 0.0003

**Actual Value Expected Value** CmMtrCurr\_CurrOffState\_Uls\_M\_enum CURROFF\_HIAVERAGE CURROFF\_HIAVERAGE  $CmMtrCurr\_CurrOffTrimFlag\_Cnt\_M\_lgc$ CmMtrCurr\_CurroffProcessFlag\_M\_enum 1 1 CmMtrCurr\_MtrCurr1OffsetHi\_Volt\_M\_f32 2.18156958 2.18156958 ± 0.0003 CmMtrCurr\_MtrCurr1OffsetLo\_Volt\_M\_f32 4.69999981 ± 0.0003 4.69999981  $CmMtrCurr\_MtrCurr1OffsetZero\_Volt\_M\_f32$ 4.69999981 4.69999981 ± 0.0003 CmMtrCurr\_MtrCurr1SumHi\_Volt\_M\_f32 50000 50000 ± 0.0003  $CmMtrCurr\_MtrCurr1SumLo\_Volt\_M\_f32$  $3 \pm 0.0003$ CmMtrCurr\_MtrCurr1SumZero\_Volt\_M\_f32 47839.5703 47839.5703 ± 0.0003 CmMtrCurr\_MtrCurr2OffsetHi\_Volt\_M\_f32 3 + 0.0003CmMtrCurr\_MtrCurr2OffsetLo\_Volt\_M\_f32 4.5 ± 0.0003  $CmMtrCurr\_MtrCurr2OffsetZero\_Volt\_M\_f32$ 2 69362235 2 69362235 + 0 0003 ソソソソソ CmMtrCurr\_MtrCurr2SumHi\_Volt\_M\_f32 9.20087242 9.20087242 ± 0.0003  $CmMtrCurr\_MtrCurr2SumLo\_Volt\_M\_f32$ 21369 5801 21369 5801 + 0 0003 CmMtrCurr\_MtrCurr2SumZero\_Volt\_M\_f32 143.794998 143.794998 ± 0.0003 CmMtrCurr\_MtrCurrValCmd\_VoltCnt\_M\_f32 52238.7539 52238.7539 ± 0.001 CmMtrCurr\_VecuSum\_Volt\_M\_f32 673.361389 673.361389 ± 0.0009765625 tgt\_CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16.value 4000 4000 ± 1  $tgt\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32$ 18718.8105  $18718.8105 \pm 0.004$ tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32 2.61436653 ± 0.0003 2.61436653 2.75549197  $tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32$  $2.75549197 \pm 0.0003$ 

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

1.20556092

1.91193855

| Test Step 2.41 (Repeat Count = 1)                              | <b>✓</b>                                 |
|----------------------------------------------------------------|------------------------------------------|
| Name                                                           | Input Value                              |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 63                                       |
| CmMtrCurr CurrOffState Uls M enum                              | CURROFF HIAVERAGE                        |
| CmMtrCurr CurrOffTrimFlag Cnt M lgc                            | 1                                        |
| CmMtrCurr CurroffProcessFlag M enum                            | 3                                        |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 2.47964859                               |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 2.79071116                               |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                        | 2.79071116                               |
| CmMtrCurr MtrCurr1SumHi Volt M f32                             | 25458.25                                 |
| CmMtrCurr MtrCurr1SumLo Volt M f32                             | 2.9184866                                |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 65.8850021                               |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                          | 2.0520041                                |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                          | 4.599999                                 |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32                        | 2.07563138                               |
| CmMtrCurr MtrCurr2SumHi Volt M f32                             | 30.7622643                               |
| CmMtrCurr MtrCurr2SumLo Volt M f32                             | 24310.6895                               |
| CmMtrCurr MtrCurr2SumZero Volt M f32                           | 154.925003                               |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                          | 36546,3594                               |
| CmMtrCurr VecuSum Volt M f32                                   | 655.775024                               |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr                |
| k CurrOffNoofAvg Cnt u16                                       | 1050                                     |
| k MaxCurrOffMtrVel RadpS f32                                   | 15.5906773                               |
| k MtrCurrEOLMaxOffset Volts f32                                | 2.96421409                               |
| k MtrCurrEOLMinOffset Volts f32                                | 1.23255312                               |
| k MtrCurrOffLoComOff Cnt u16                                   | 1369                                     |
| tgt CmMtrCurr Per3 ADCMtrCurr1 Volts f32.value                 | 2.78046203                               |
| tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32.value                 | 3                                        |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 15                                       |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 21.4816856                               |
| tgt CmMtrCurr Per3 VehSpd Kph f32.value                        | 1.12093002e-008                          |
| tgt CmMtrCurr Per3 VhSpdValid Cnt Igc.value                    | 1                                        |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32               | 36079.5391                               |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                | 2.96690226                               |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                | 2.88593364                               |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32              | 3                                        |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32              | 3                                        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16     | tgt CmMtrCurr Per3 ComOffset Cnt u16     |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   |





| Name                                                        | Input Value                     |                                   |          |  |
|-------------------------------------------------------------|---------------------------------|-----------------------------------|----------|--|
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32      | tgt_CmMtrCurr_Per3_Vecu_Volt_f3 | 32                                |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32     | tgt_CmMtrCurr_Per3_VehSpd_Kph   | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc | tgt_CmMtrCurr_Per3_VhSpdValid_  | _Cnt_lgc                          |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                     | tgt_Pim_ShCurrCal               |                                   |          |  |
| Name                                                        | Actual Value                    | Expected Value                    | Result   |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                       | 64                              | 64 ± 1                            | <b>✓</b> |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                           | CURROFF_HIAVERAGE               | CURROFF_HIAVERAGE                 | <b>✓</b> |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                         | 1                               | 1                                 | <b>✓</b> |  |
| CmMtrCurr_CurroffProcessFlag_M_enum                         | 1                               | 1                                 | <b>✓</b> |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                       | 2.47964859                      | 2.47964859 ± 0.0003               | <b>✓</b> |  |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                       | 2.79071116                      | 2.79071116 ± 0.0003               | <b>✓</b> |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                     | 2.79071116                      | 2.79071116 ± 0.0003               | <b>✓</b> |  |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                          | 25461.0313                      | 25461.0313 ± 0.0003               | <b>✓</b> |  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                          | 2.9184866                       | 2.9184866 ± 0.0003                | <b>✓</b> |  |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                        | 65.8850021                      | 65.8850021 ± 0.0003               | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                       | 2.0520041                       | 2.0520041 ± 0.0003                | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                       | 4.5999999                       | 4.5999999 ± 0.0003                | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                     | 2.07563138                      | 2.07563138 ± 0.0003               | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                          | 33.7622643                      | 33.7622643 ± 0.0003               | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                          | 24310.6895                      | 24310.6895 ± 0.0003               | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                        | 154.925003                      | 154.925003 ± 0.0003               | <b>✓</b> |  |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                       | 36546.3594                      | 36546.3594 ± 0.001                | <b>✓</b> |  |
| CmMtrCurr_VecuSum_Volt_M_f32                                | 677.256714                      | 677.256714 ± 0.0009765625         | <b>✓</b> |  |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                  | 4000                            | 4000 ± 1                          | <b>✓</b> |  |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32            | 36079.5391                      | 36079.5391 ± 0.004                | •        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32             | 2.96690226                      | 2.96690226 ± 0.0003               | ~        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32             | 2.88593364                      | 2.88593364 ± 0.0003               | <b>✓</b> |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32           | 3                               | 3 ± 0.0003                        | ~        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32           | 3                               | 3 ± 0.0003                        | ~        |  |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.42 (Repeat Count = 1)                | <b>▼</b>                  |
|--------------------------------------------------|---------------------------|
| Name                                             | Input Value               |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16            | 60                        |
| CmMtrCurr_CurrOffState_Uls_M_enum                | CURROFF_HIAVERAGE         |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc              | 1                         |
| CmMtrCurr_CurroffProcessFlag_M_enum              | 2                         |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32            | 2.81754565                |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32            | 4.5                       |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32          | 4.6999981                 |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32               | 2.11536908                |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32               | 99.2750015                |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32             | 1.01092339                |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32            | 3                         |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32            | 1.17914116                |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32          | 2.64458537                |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32               | 0                         |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32               | 27251.8008                |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32             | 3                         |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32            | 50648.5977                |
| CmMtrCurr_VecuSum_Volt_M_f32                     | 956.284973                |
| Rte_Inst_Sa_CmMtrCurr                            | tgt_Rte_Inst_Sa_CmMtrCurr |
| k_CurrOffNoofAvg_Cnt_u16                         | 2000                      |
| k_MaxCurrOffMtrVel_RadpS_f32                     | 13.6347666                |
| k_MtrCurrEOLMaxOffset_Volts_f32                  | 1                         |
| k_MtrCurrEOLMinOffset_Volts_f32                  | 1.29968858                |
| k_MtrCurrOffLoComOff_Cnt_u16                     | 1478                      |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value   | 1.30482483                |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value   | 2.72327757                |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value     | 13                        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value           | 26.566885                 |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value          | 1.72093007e-008           |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value      | 1                         |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 | 36573.0195                |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  | 1.17193532                |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32  | 2.49366164                |



| Name                                                           | Input Value                             |                |        |
|----------------------------------------------------------------|-----------------------------------------|----------------|--------|
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1.44606352                              |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1.89337552                              |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f3 | 2              |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f3 | 2              |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16    |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32  |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32        |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32       |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc   |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                       |                |        |
| Name                                                           | Actual Value                            | Expected Value | Result |

| <b>3</b>                                          | 10-               |                           |          |
|---------------------------------------------------|-------------------|---------------------------|----------|
| Name                                              | Actual Value      | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 61                | 61 ± 1                    | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_HIAVERAGE | CURROFF_HIAVERAGE         | ~        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                 | 1                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                 | 1                         | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 2.81754565        | 2.81754565 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 4.5               | 4.5 ± 0.0003              | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 4.69999981        | 4.69999981 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 3.42019391        | 3.42019391 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 99.2750015        | 99.2750015 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 1.01092339        | 1.01092339 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 1.17914116        | 1.17914116 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.64458537        | 2.64458537 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 2.72327757        | 2.72327757 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 27251.8008        | 27251.8008 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 3                 | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 50648.5977        | 50648.5977 ± 0.001        | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 982.851868        | 982.851868 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 4000              | 4000 ± 1                  | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 36573.0195        | 36573.0195 ± 0.004        | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.17193532        | 1.17193532 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.49366164        | 2.49366164 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.44606352        | 1.44606352 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.89337552        | 1.89337552 ± 0.0003       | <b>~</b> |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.43 (Repeat Count = 1)              | <b>✓</b>                  |
|------------------------------------------------|---------------------------|
| Name                                           | Input Value               |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16          | 61                        |
| CmMtrCurr_CurrOffState_Uls_M_enum              | CURROFF_HIAVERAGE         |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc            | 1                         |
| CmMtrCurr_CurroffProcessFlag_M_enum            | 0                         |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32          | 3                         |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32          | 4.5999999                 |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32        | 4.80000019                |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32             | 3                         |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32             | 110.404999                |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32           | 1.78895056                |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32          | 3                         |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32          | 3                         |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32        | 2.66018128                |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32             | 50000                     |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32             | 30192.9102                |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32           | 3                         |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32          | 33953.457                 |
| CmMtrCurr_VecuSum_Volt_M_f32                   | 967.414978                |
| Rte_Inst_Sa_CmMtrCurr                          | tgt_Rte_Inst_Sa_CmMtrCurr |
| k_CurrOffNoofAvg_Cnt_u16                       | 2350                      |
| k_MaxCurrOffMtrVel_RadpS_f32                   | 3.40498996                |
| k_MtrCurrEOLMaxOffset_Volts_f32                | 3                         |
| k_MtrCurrEOLMinOffset_Volts_f32                | 1.20024276                |
| k_MtrCurrOffLoComOff_Cnt_u16                   | 1258                      |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value | 2.53271556                |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value | 3                         |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value   | 3                         |

CmMtrCurr\_Per3



| Name                                                           | Input Value                |                  |        |
|----------------------------------------------------------------|----------------------------|------------------|--------|
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 9.09741783                 |                  |        |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.82093007e-008            |                  |        |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                          |                  |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 68435.9531                 |                  |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 1.96729159                 |                  |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                          |                  |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.37171364                 |                  |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 2.71984124                 |                  |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMt   | rCurr1_Volts_f32 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMt   | rCurr2_Volts_f32 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOf   | fset_Cnt_u16     |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_ | _MtrRadpS_f32    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_V  | /olt_f32         |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpo  | d_Kph_f32        |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpd\  | /alid_Cnt_lgc    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal          |                  |        |
| Namo                                                           | Actual Value               | Expected Value   | Pocult |

| tgt_Rte_inst_sa_cmixtrcurr.Plin_shcurrcal         | lgi_Pilli_Silculical |                          |          |
|---------------------------------------------------|----------------------|--------------------------|----------|
| Name                                              | Actual Value         | Expected Value           | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 62                   | 62 ± 1                   | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_HIAVERAGE    | CURROFF_HIAVERAGE        | ~        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                    | 1                        | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                    | 1                        | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 3                    | 3 ± 0.0003               | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 4.5999999            | 4.5999999 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 4.80000019           | 4.80000019 ± 0.0003      | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 5.5327158            | 5.53271532 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 110.404999           | 110.404999 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 1.78895056           | 1.78895056 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                    | 3 ± 0.0003               | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 3                    | 3 ± 0.0003               | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.66018128           | 2.66018128 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 50003                | 50003 ± 0.0003           | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 30192.9102           | 30192.9102 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 3                    | 3 ± 0.0003               | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 33953.457            | 33953.457 ± 0.001        | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 976.51239            | 976.51239 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 4000                 | 4000 ± 1                 | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 68435.9531           | 68435.9531 ± 0.004       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.96729159           | 1.96729159 ± 0.0003      | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                    | 3 ± 0.0003               | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.37171364           | 2.37171364 ± 0.0003      | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.71984124           | 2.71984124 ± 0.0003      | ~        |
|                                                   |                      |                          |          |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |

| Test Step 2.44 (Repeat Count = 1)       |                           | ✓. |
|-----------------------------------------|---------------------------|----|
| Name                                    | Input Value               |    |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 62                        |    |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_HIAVERAGE         |    |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                         |    |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 1                         |    |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 2.26628852                |    |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 4.69999981                |    |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 2.92550302                |    |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 3                         |    |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 121.535004                |    |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 1.99545753                |    |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 2.509166                  |    |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 2.38954449                |    |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 1.78107488                |    |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32      | 6525.31982                |    |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32      | 33134.0195                |    |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32    | 1.20921946                |    |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32   | 55850.0508                |    |
| CmMtrCurr_VecuSum_Volt_M_f32            | 978.544983                |    |
| Rte_Inst_Sa_CmMtrCurr                   | tgt_Rte_Inst_Sa_CmMtrCurr |    |
| k_CurrOffNoofAvg_Cnt_u16                | 2850                      |    |
| k_MaxCurrOffMtrVel_RadpS_f32            | 15.0749359                |    |

2016-07-24, 12:40:56+0530



1.78107488 ± 0.0003

6526.80225 ± 0.0003

 $33134.0195 \pm 0.0003$ 

1.20921946 ± 0.0003

55850.0508 ± 0.001 999.555786 ± 0.0009765625

45636.1367 ± 0.004

1.72630322 ± 0.0003

2.08261728 ± 0.0003

1.59304428 ± 0.0003

4000 ± 1

3 ± 0.0003

| CmMtrCurr_Per3                                                 |                                 |                     | razorat |
|----------------------------------------------------------------|---------------------------------|---------------------|---------|
| Name                                                           | Input Value                     |                     |         |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 2                               |                     |         |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 2.17881703                      |                     |         |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 550                             |                     |         |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 0.830244541                     |                     |         |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 1.48206139                      |                     |         |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 15                              |                     |         |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 21.0107632                      |                     |         |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.72093007e-008                 |                     |         |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                               |                     |         |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 45636.1367                      |                     |         |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 1.72630322                      |                     |         |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                               |                     |         |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.08261728                      |                     |         |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1.59304428                      |                     |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1  | I_Volts_f32         |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2  | 2_Volts_f32         |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_C  | Cnt_u16             |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRa | adpS_f32            |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f3 | 32                  |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph   | _f32                |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CmMtrCurr_Per3_VhSpdValid_  | Cnt_lgc             |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal               |                     |         |
| Name                                                           | Actual Value                    | Expected Value      | Result  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 63                              | 63 ± 1              | •       |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_HIAVERAGE               | CURROFF_HIAVERAGE   | •       |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                               | 1                   | •       |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 1                               | 1                   | •       |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 2.26628852                      | 2.26628852 ± 0.0003 | •       |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 4.69999981                      | 4.69999981 ± 0.0003 | •       |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 2.92550302                      | 2.92550302 ± 0.0003 | •       |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 3.83024454                      | 3.83024454 ± 0.0003 | •       |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 121.535004                      | 121.535004 ± 0.0003 | •       |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 1.99545753                      | 1.99545753 ± 0.0003 | •       |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 2.509166                        | 2.509166 ± 0.0003   | •       |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 2.38954449                      | 2.38954449 ± 0.0003 | •       |
|                                                                | 1                               |                     |         |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | •        |

1.78107488

6526.80176

33134.0195

1.20921946

55850.0508

999.555725

45636.1367

1.72630322

2.08261728

1.59304428

4000

| Test Step 2.45 (Repeat Count = 1)       |                   | <b>✓</b> |
|-----------------------------------------|-------------------|----------|
| Name                                    | Input Value       |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 42                |          |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_HIAVERAGE |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                 |          |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 2                 |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 1.45582378        |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 1.78107488        |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 1.78107488        |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 125.410637        |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 3                 |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 110.404999        |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 3                 |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 3                 |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 1.35347366        |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32      | 10.2349997        |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32      | 36075.1289        |          |

CmMtrCurr\_MtrCurr2OffsetZero\_Volt\_M\_f32

 $CmMtrCurr\_MtrCurr2SumHi\_Volt\_M\_f32$ 

 $CmMtrCurr\_MtrCurr2SumLo\_Volt\_M\_f32$ 

CmMtrCurr\_VecuSum\_Volt\_M\_f32

 $CmMtrCurr\_MtrCurr2SumZero\_Volt\_M\_f32$ 

CmMtrCurr\_MtrCurrValCmd\_VoltCnt\_M\_f32

tgt\_CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16.value

 $tgt\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32$ 

 $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32$ 

tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32

 $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32$ 

tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32

2016-07-24, 12:40:56+0530



| Name                                                           | Input Value                             |                |        |
|----------------------------------------------------------------|-----------------------------------------|----------------|--------|
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 199.445007                              |                |        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 62192.375                               |                |        |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 0                                       |                |        |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr               |                |        |
| k_CurrOffNoofAvg_Cnt_u16                                       | 3350                                    |                |        |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 12.229619                               |                |        |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 2.94048262                              |                |        |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 2.32975316                              |                |        |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 600                                     |                |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 0.425478697                             |                |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 2.19067407                              |                |        |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 12                                      |                |        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 20.8203239                              |                |        |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.22093002e-008                         |                |        |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                       |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 72154                                   |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 1.47219872                              |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                                       |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1.17255747                              |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1.227018                                |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f3 | 32             |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f3 | 32             |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16    |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32  |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32        |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32       |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc   |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                       |                |        |
| Name                                                           | Actual Value                            | Expected Value | Result |

| @CC                                               | 192               |                           |          |
|---------------------------------------------------|-------------------|---------------------------|----------|
| Name                                              | Actual Value      | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 43                | 43 ± 1                    | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_HIAVERAGE | CURROFF_HIAVERAGE         | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                 | 1                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                 | 1                         | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 1.45582378        | 1.45582378 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 1.78107488        | 1.78107488 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 1.78107488        | 1.78107488 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 125.836113        | 125.836113 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 3                 | 3 ± 0.0003                | •        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 110.404999        | 110.404999 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 3                 | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 1.35347366        | 1.35347366 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 12.4256735        | 12.4256744 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 36075.1289        | 36075.1289 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 199.445007        | 199.445007 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 62192.375         | 62192.375 ± 0.001         | •        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 20.8203239        | 20.8203239 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 4000              | 4000 ± 1                  | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 72154             | 72154 ± 0.004             | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.47219872        | 1.47219872 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.17255747        | 1.17255747 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.227018          | 1.227018 ± 0.0003         | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | •      |

| Test Step 2.46 (Repeat Count = 1)       |                   | <b>✓</b> |
|-----------------------------------------|-------------------|----------|
| Name                                    | Input Value       |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 43                |          |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_HIAVERAGE |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                 |          |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3                 |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 2.31441784        |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 3.32500005        |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 3.32500005        |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 35.2140007        |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 3                 |          |



| CmMtrCurr_Per3                                                 | 6-07-24, 12:40:56+0530         |                     | Razorcat |
|----------------------------------------------------------------|--------------------------------|---------------------|----------|
| Name                                                           | Input Value                    |                     |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 121.535004                     |                     |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 1.72680926                     |                     |          |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                          | 3                              |                     |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 1.7515341                      |                     |          |
| CmMtrCurr MtrCurr2SumHi Volt M f32                             | 21.3649998                     |                     |          |
| CmMtrCurr MtrCurr2SumLo Volt M f32                             | 39016.2383                     |                     |          |
| CmMtrCurr MtrCurr2SumZero Volt M f32                           | 210.574997                     |                     |          |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                          | 20547.9805                     |                     |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 1984                           |                     |          |
| Rte Inst Sa CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr      |                     |          |
| k_CurrOffNoofAvg_Cnt_u16                                       | 3850                           |                     |          |
| k MaxCurrOffMtrVel RadpS f32                                   | 18.7160969                     |                     |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 1.99679399                     |                     |          |
| k MtrCurrEOLMinOffset Volts f32                                | 3                              |                     |          |
| k MtrCurrOffLoComOff Cnt u16                                   | 650                            |                     |          |
| tgt CmMtrCurr Per3 ADCMtrCurr1 Volts f32.value                 | 3                              |                     |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 3                              |                     |          |
| tgt CmMtrCurr Per3 MtrVel MtrRadpS f32.value                   | 18                             |                     |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 30.1521053                     |                     |          |
| tgt CmMtrCurr Per3 VehSpd Kph f32.value                        | 1.12093002e-008                |                     |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                              |                     |          |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32               | 9833.26758                     |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 1.85367167                     |                     |          |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                | 1.87929463                     |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1.48623836                     |                     |          |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32              | 3                              |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCur   | r1 Volts f32        |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32 | tgt CmMtrCurr Per3 ADCMtrCur   |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_  | Cnt u16             |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrF | _                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_  |                     |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32        | tgt_CmMtrCurr_Per3_VehSpd_Kp   |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CmMtrCurr_Per3_VhSpdValid  |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal              |                     |          |
| Name                                                           | Actual Value                   | Expected Value      | Result   |
| CmMtrCurr CurrOffAvgCounter Cnt M u16                          | 44                             | 44 ± 1              | - 100uii |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_HIAVERAGE              | CURROFF_HIAVERAGE   |          |
| CmMtrCurr CurrOffTrimFlag Cnt M Igc                            | 1                              | 1                   |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 1                              | 1                   |          |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 2.31441784                     | 2.31441784 ± 0.0003 |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 3.32500005                     | 3.32500005 ± 0.0003 | •        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 3.32500005                     | 3.32500005 ± 0.0003 |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 38.2140007                     | 38.2140007 ± 0.0003 |          |
| CmMtrCurr MtrCurr1SumLo Volt M f32                             | 3                              | 3 ± 0.0003          |          |
| CmMtrCurr MtrCurr1SumZero Volt M f32                           | 121.535004                     | 121.535004 ± 0.0003 |          |
| O Ma-O Ma-O                                                    | 4.7000000                      | 17000007 1 0.0000   |          |

| Name                                              | Actual Value      | Expected Value           | Result   |
|---------------------------------------------------|-------------------|--------------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 44                | 44 ± 1                   | <b>✓</b> |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_HIAVERAGE | CURROFF_HIAVERAGE        | ✓        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                 | 1                        | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                 | 1                        | ✓        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 2.31441784        | 2.31441784 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 3.32500005        | 3.32500005 ± 0.0003      | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 3.32500005        | 3.32500005 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 38.2140007        | 38.2140007 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 3                 | 3 ± 0.0003               | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 121.535004        | 121.535004 ± 0.0003      | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 1.72680926        | 1.72680926 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 3                 | 3 ± 0.0003               | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 1.7515341         | 1.7515341 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 24.3649998        | 24.3649998 ± 0.0003      | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 39016.2383        | 39016.2383 ± 0.0003      | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 210.574997        | 210.574997 ± 0.0003      | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 20547.9805        | 20547.9805 ± 0.001       | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 2014.1521         | 2014.1521 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 4000              | 4000 ± 1                 | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 9833.26758        | 9833.26758 ± 0.004       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.85367167        | 1.85367167 ± 0.0003      | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.87929463        | 1.87929463 ± 0.0003      | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.48623836        | 1.48623836 ± 0.0003      | ~        |
| tot Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 | 3                 | 3 ± 0.0003               | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | •      |

| Test Step 2.47 (Repeat Count = 1)     | <b>✓</b>          |
|---------------------------------------|-------------------|
| Name                                  | Input Value       |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 | 44                |
| CmMtrCurr_CurrOffState_Uls_M_enum     | CURROFF_HIAVERAGE |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc   | 1                 |





| Chilwid Curi_Fer3                                              |                                  |                     | TOIL CITOR |
|----------------------------------------------------------------|----------------------------------|---------------------|------------|
| Name                                                           | Input Value                      |                     |            |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 1                                |                     |            |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 4.19999981                       |                     |            |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 2.06366134                       |                     |            |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                        | 2.06366134                       |                     |            |
| CmMtrCurr MtrCurr1SumHi Volt M f32                             | 306.320007                       |                     |            |
| CmMtrCurr MtrCurr1SumLo Volt M f32                             | 3                                |                     |            |
| CmMtrCurr MtrCurr1SumZero Volt M f32                           | 132.664993                       |                     |            |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                          | 1.89202535                       |                     |            |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 1.11913788                       |                     |            |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 2.13700366                       |                     |            |
| CmMtrCurr MtrCurr2SumHi Volt M f32                             | 32.4949989                       |                     |            |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 41957.3516                       |                     |            |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 221.705002                       |                     |            |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 7388.61279                       |                     |            |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 722.554993                       |                     |            |
| Rte Inst Sa CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr        |                     |            |
| k_CurrOffNoofAvg_Cnt_u16                                       | 4350                             |                     |            |
| k MaxCurrOffMtrVel RadpS f32                                   | 9.40040874                       |                     |            |
| k MtrCurrEOLMaxOffset Volts f32                                | 3                                |                     |            |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 2.0154388                        |                     |            |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 700                              |                     |            |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 2.70470357                       |                     |            |
| tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32.value                 | 2.15298533                       |                     |            |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 9                                |                     |            |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 18.9641953                       |                     |            |
| tgt CmMtrCurr Per3 VehSpd Kph f32.value                        | 1.32093003e-008                  |                     |            |
| tgt CmMtrCurr Per3 VhSpdValid Cnt Igc.value                    | 1                                |                     |            |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32               | 12022.6406                       |                     |            |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 1.768152                         |                     |            |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                | 3                                |                     |            |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32              | 2.91952419                       |                     |            |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32              | 3                                |                     |            |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1   | Volts f32           |            |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2   |                     |            |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_C   |                     |            |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRa  | _                   |            |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32 |                     |            |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32        | tgt CmMtrCurr Per3 VehSpd Kph    |                     |            |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VhSpdValid Cnt Igc    | tgt CmMtrCurr Per3 VhSpdValid 0  | _                   |            |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                | oni_igo             |            |
| Name                                                           | Actual Value                     | Expected Value      | Resu       |
|                                                                |                                  | Expected Value      | Resu       |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 45                               | 45 ± 1              |            |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_HIAVERAGE                | CURROFF_HIAVERAGE   |            |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                                | 1                   |            |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 1                                | 1                   |            |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 4.19999981                       | 4.19999981 ± 0.0003 | •          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 2.06366134                       | 2.06366134 ± 0.0003 |            |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 2.06366134                       | 2.06366134 ± 0.0003 | •          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 309.024719                       | 309.024689 ± 0.0003 | •          |
| CmMtrCurr MtrCurr1SumLo Volt M f32                             | 3                                | $3 \pm 0.0003$      |            |

| tgt_rtte_inst_3a_chilwiticutr.Filit_3hcutrcal     | tgt_Filli_SilicultCal |                           |          |
|---------------------------------------------------|-----------------------|---------------------------|----------|
| Name                                              | Actual Value          | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 45                    | 45 ± 1                    | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_HIAVERAGE     | CURROFF_HIAVERAGE         | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                     | 1                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                     | 1                         | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 4.19999981            | 4.19999981 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 2.06366134            | 2.06366134 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 2.06366134            | 2.06366134 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 309.024719            | 309.024689 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 3                     | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 132.664993            | 132.664993 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 1.89202535            | 1.89202535 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 1.11913788            | 1.11913788 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.13700366            | 2.13700366 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 34.6479836            | 34.6479836 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 41957.3516            | 41957.3516 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 221.705002            | 221.705002 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 7388.61279            | 7388.61279 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 741.519165            | 741.519165 ± 0.0009765625 | •        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 4000                  | 4000 ± 1                  | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 12022.6406            | 12022.6406 ± 0.004        | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.768152              | 1.768152 ± 0.0003         | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                     | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.91952419            | 2.91952419 ± 0.0003       | ~        |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 | 3                     | 3 ± 0.0003                | ✓        |

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |





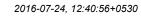
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input Value                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 0                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CURROFF_HIAVERAGE                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 0                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 4.30000019                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 10899.8896                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2.47143555                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2.48983455                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1                                                                                                           | _Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2                                                                                                           | _Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| tgt_CmMtrCurr_Per3_ComOffset_C                                                                                                           | :nt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRa                                                                                                          | adpS_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f3                                                                                                          | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| tgt_CmMtrCurr_Per3_VehSpd_Kph                                                                                                            | _f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| tgt_CmMtrCurr_Per3_VhSpdValid_0                                                                                                          | Cnt_lgc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| tgt_Pim_ShCurrCal                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Actual Value                                                                                                                             | Expected Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1                                                                                                                                        | 1 ± 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>-</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CURROFF_HIAVERAGE                                                                                                                        | CURROFF_HIAVERAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 1                                                                                                                                        | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1                                                                                                                                        | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 4.30000019                                                                                                                               | 4.30000019 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3.98569989                                                                                                                               | 3.98569989 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 3.98569989<br>3.98569989                                                                                                                 | 3.98569989 ± 0.0003<br>3.98569989 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3.98569989<br>3.39429665                                                                                                                 | 3.98569989 ± 0.0003<br>3.39429665 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3.98569989<br>3.39429665<br>2.37314701                                                                                                   | 3.98569989 ± 0.0003<br>3.39429665 ± 0.0003<br>2.37314701 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 3.98569989<br>3.39429665<br>2.37314701<br>166.054993                                                                                     | 3.98569989 ± 0.0003<br>3.39429665 ± 0.0003<br>2.37314701 ± 0.0003<br>166.054993 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3.98569989<br>3.39429665<br>2.37314701<br>166.054993<br>3                                                                                | 3.98569989 ± 0.0003<br>3.39429665 ± 0.0003<br>2.37314701 ± 0.0003<br>166.054993 ± 0.0003<br>3 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3.98569989<br>3.39429665<br>2.37314701<br>166.054993<br>3<br>2.09574819                                                                  | $3.98569989 \pm 0.0003$ $3.39429665 \pm 0.0003$ $2.37314701 \pm 0.0003$ $166.054993 \pm 0.0003$ $3 \pm 0.0003$ $2.09574819 \pm 0.0003$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3.98569989<br>3.39429665<br>2.37314701<br>166.054993<br>3<br>2.09574819<br>2.804142                                                      | 3.98569989 ± 0.0003<br>3.39429665 ± 0.0003<br>2.37314701 ± 0.0003<br>166.054993 ± 0.0003<br>3 ± 0.0003<br>2.09574819 ± 0.0003<br>2.804142 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 3.98569989<br>3.39429665<br>2.37314701<br>166.054993<br>3<br>2.09574819<br>2.804142<br>68.8850021                                        | 3.98569989 ± 0.0003<br>3.39429665 ± 0.0003<br>2.37314701 ± 0.0003<br>166.054993 ± 0.0003<br>3 ± 0.0003<br>2.09574819 ± 0.0003<br>2.804142 ± 0.0003<br>68.8850021 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 3.98569989<br>3.39429665<br>2.37314701<br>166.054993<br>3<br>2.09574819<br>2.804142<br>68.8850021<br>44898.4609                          | 3.98569989 ± 0.0003<br>3.39429665 ± 0.0003<br>2.37314701 ± 0.0003<br>166.054993 ± 0.0003<br>3 ± 0.0003<br>2.09574819 ± 0.0003<br>2.804142 ± 0.0003<br>68.8850021 ± 0.0003<br>44898.4609 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3.98569989 3.39429665 2.37314701 166.054993 3 2.09574819 2.804142 68.8850021 44898.4609 12546.25                                         | 3.98569989 ± 0.0003<br>3.39429665 ± 0.0003<br>2.37314701 ± 0.0003<br>166.054993 ± 0.0003<br>3 ± 0.0003<br>2.09574819 ± 0.0003<br>2.804142 ± 0.0003<br>68.8850021 ± 0.0003<br>44898.4609 ± 0.0003<br>12546.25 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3.98569989 3.39429665 2.37314701 166.054993 3 2.09574819 2.804142 68.8850021 44898.4609 12546.25 47726.5313                              | $3.98569989 \pm 0.0003$ $3.39429665 \pm 0.0003$ $2.37314701 \pm 0.0003$ $166.054993 \pm 0.0003$ $3 \pm 0.0003$ $2.09574819 \pm 0.0003$ $2.804142 \pm 0.0003$ $68.8850021 \pm 0.0003$ $44898.4609 \pm 0.0003$ $12546.25 \pm 0.0003$ $47726.5313 \pm 0.001$                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3.98569989 3.39429665 2.37314701 166.054993 3 2.09574819 2.804142 68.8850021 44898.4609 12546.25 47726.5313 767.939636                   | $3.98569989 \pm 0.0003$ $3.39429665 \pm 0.0003$ $2.37314701 \pm 0.0003$ $166.054993 \pm 0.0003$ $3 \pm 0.0003$ $2.09574819 \pm 0.0003$ $2.804142 \pm 0.0003$ $68.8850021 \pm 0.0003$ $44898.4609 \pm 0.0003$ $12546.25 \pm 0.0003$ $47726.5313 \pm 0.001$ $767.939636 \pm 0.0009765625$                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3.98569989 3.39429665 2.37314701 166.054993 3 2.09574819 2.804142 68.8850021 44898.4609 12546.25 47726.5313 767.939636 4000              | $3.98569989 \pm 0.0003$ $3.39429665 \pm 0.0003$ $2.37314701 \pm 0.0003$ $166.054993 \pm 0.0003$ $3 \pm 0.0003$ $2.09574819 \pm 0.0003$ $2.804142 \pm 0.0003$ $68.8850021 \pm 0.0003$ $44898.4609 \pm 0.0003$ $12546.25 \pm 0.0003$ $47726.5313 \pm 0.001$ $767.939636 \pm 0.0009765625$ $4000 \pm 1$                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3.98569989 3.39429665 2.37314701 166.054993 3 2.09574819 2.804142 68.8850021 44898.4609 12546.25 47726.5313 767.939636 4000 10899.8896   | $3.98569989 \pm 0.0003$ $3.39429665 \pm 0.0003$ $2.37314701 \pm 0.0003$ $166.054993 \pm 0.0003$ $3 \pm 0.0003$ $2.09574819 \pm 0.0003$ $2.804142 \pm 0.0003$ $68.8850021 \pm 0.0003$ $44898.4609 \pm 0.0003$ $12546.25 \pm 0.0003$ $47726.5313 \pm 0.001$ $767.939636 \pm 0.0009765625$ $4000 \pm 1$ $10899.8896 \pm 0.004$                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3.98569989 3.39429665 2.37314701 166.054993 3 2.09574819 2.804142 68.8850021 44898.4609 12546.25 47726.5313 767.939636 4000 10899.8896 3 | $3.98569989 \pm 0.0003$ $3.39429665 \pm 0.0003$ $2.37314701 \pm 0.0003$ $166.054993 \pm 0.0003$ $3 \pm 0.0003$ $2.09574819 \pm 0.0003$ $2.804142 \pm 0.0003$ $488850021 \pm 0.0003$ $44898.4609 \pm 0.0003$ $12546.25 \pm 0.0003$ $47726.5313 \pm 0.001$ $767.939636 \pm 0.0009765625$ $4000 \pm 1$ $10899.8896 \pm 0.004$ $3 \pm 0.0003$                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3.98569989 3.39429665 2.37314701 166.054993 3 2.09574819 2.804142 68.8850021 44898.4609 12546.25 47726.5313 767.939636 4000 10899.8896   | $3.98569989 \pm 0.0003$ $3.39429665 \pm 0.0003$ $2.37314701 \pm 0.0003$ $166.054993 \pm 0.0003$ $3 \pm 0.0003$ $2.09574819 \pm 0.0003$ $2.804142 \pm 0.0003$ $68.8850021 \pm 0.0003$ $44898.4609 \pm 0.0003$ $12546.25 \pm 0.0003$ $47726.5313 \pm 0.001$ $767.939636 \pm 0.0009765625$ $4000 \pm 1$ $10899.8896 \pm 0.004$                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                          | 0 CURROFF_HIAVERAGE 1 0 4.30000019 3.98569989 3.98569989 2.9940877 2.37314701 166.054993 3 2.09574819 2.804142 65.8850021 44898.4609 12546.25 47726.5313 755.945007 tgt_Rte_Inst_Sa_CmMtrCurr 4850 4.60882807 2.43810177 1.93847024 750 0.40020895 3 4 11.9946461 1.32093003e-008 1 10899.8896 3 2.47143555 2.48983455 3 tgt_CmMtrCurr_Per3_ADCMtrCurr tgt_CmMtrCurr_Per3_ADCMtrCurr tgt_CmMtrCurr_Per3_ADCMtrCurr tgt_CmMtrCurr_Per3_ADCMtrCurr tgt_CmMtrCurr_Per3_ADCMtrCurr tgt_CmMtrCurr_Per3_ADCMtrCurr tgt_CmMtrCurr_Per3_ADCMtrCurr tgt_CmMtrCurr_Per3_VhSpdValid_tgt_Pim_ShCurrCal Actual Value 1 CURROFF_HIAVERAGE 1 | 0 CURROFF_HIAVERAGE 1 0 4.30000019 3.98569989 3.98569989 3.98569989 3.9940877 2.37314701 166.054993 3 2.09574819 2.804142 65.8850021 44498.4609 12546.25 47726.5313 755.945007 1gt_Re_Inst_Sa_CmMtrCurr 4850 4.6082807 2.43810177 1.93847024 750 0.40020895 3 4 11.9946461 1.32093003e-008 1 10899.8896 3 2.47143555 2.48983455 3 1gt_CmMtrCurr_Per3_ADCMtrCurr1_Voits_f32 1gt_CmMtrCurr_Per3_ADCMtrCurr2_Voits_f32 1gt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 1gt_CmMtrCurr_Per3_VerSpd_Voit_ASS_f32 1gt_Curr_QmtrCurr_ASS_f32 1gt_CmMtrCurr_Per3_VerSpd_Voit_ASS_f32 1gt_Curr_Qmtr_ASS_f32 1gt_Curr_Qmtr_ASS_f32 1gt_Curr_Qmtr_ASS_f32 1gt_Curr_Qmtr_ASS_f32 1gt_Qmt |



| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | •      |

| Test Step 2.49 (Repeat Count = 1)                                                                                              |                                 |                                   |       |
|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------|-------|
| Name                                                                                                                           | Input Value                     |                                   |       |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                          | 10000                           |                                   |       |
| CmMtrCurr CurrOffState Uls M enum                                                                                              | CURROFF HIAVERAGE               |                                   |       |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                            | 1                               |                                   |       |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                            | 0                               |                                   |       |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                          | 4.4000001                       |                                   |       |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                          | 1.93872654                      |                                   |       |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                        | 1.93872654                      |                                   |       |
| CmMtrCurr MtrCurr1SumHi Volt M f32                                                                                             | 12546.25                        |                                   |       |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                             | 3                               |                                   |       |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                           | 2.91764379                      |                                   |       |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                                                                                          | 3                               |                                   |       |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                          | 3                               |                                   |       |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                        | 2.64458537                      |                                   |       |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                             | 33134.0195                      |                                   |       |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                             | 47839.5703                      |                                   |       |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                                           | 15487.3604                      |                                   |       |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                          | 70405.5469                      |                                   |       |
| CmMtrCurr_VecuSum_Volt_M_f32                                                                                                   | 767.075012                      |                                   |       |
| Rte Inst Sa CmMtrCurr                                                                                                          | tgt_Rte_Inst_Sa_CmMtrCurr       |                                   |       |
| k CurrOffNoofAvg Cnt u16                                                                                                       | 5350                            |                                   |       |
| <_MaxCurrOffMtrVel_RadpS_f32                                                                                                   | 4.46507597                      |                                   |       |
| k MtrCurrEOLMaxOffset Volts f32                                                                                                | 3                               |                                   |       |
| MtrCurrEOLMinOffset_Volts_f32                                                                                                  | 3                               |                                   |       |
| <_MtrCurrOffLoComOff_Cnt_u16                                                                                                   | 800                             |                                   |       |
| gt CmMtrCurr Per3 ADCMtrCurr1 Volts f32.value                                                                                  | 0.41209054                      |                                   |       |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                                                                                 | 2.68971038                      |                                   |       |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                                                                                   | 4                               |                                   |       |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                                                                         | 12.007616                       |                                   |       |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                                                                        | 1.22093002e-008                 |                                   |       |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_Igc.value                                                                                    | 1                               |                                   |       |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                               | 72593.1016                      |                                   |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                                                                | 2.83289099                      |                                   |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                                                                | 2.62811708                      |                                   |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                                              | 2.49345279                      |                                   |       |
| gt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                                                               | 1.77509665                      |                                   |       |
| gt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr1 Volts f32                                                                  | tgt CmMtrCurr Per3 ADCMtrCurr1  | Volte f32                         |       |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32                                                                  | tgt_CmMtrCurr_Per3_ADCMtrCurr2  |                                   |       |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                      | tgt_CmMtrCurr_Per3_ComOffset_C  |                                   |       |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32                                                                    | tgt CmMtrCurr Per3 MtrVel MtrRa | _                                 |       |
| gt_Rte_inst_Sa_CiniwitCurr.ChilwitCurr_Per3_Wit Ver_wit Radp5_i32<br>gt_Rte_inst_Sa_CiniwitCurr.CiniwitCurr_Per3_Vecu_Volt_f32 | tgt CmMtrCurr Per3 Vecu Volt f3 | · <del>-</del>                    |       |
| gt_Rte_Inst_Sa_CrimitiCurr.CrimitiCurr_Per3_Vectu_Voit_i32                                                                     | tgt_CmMtrCurr_Per3_VehSpd_Kph   |                                   |       |
| tgt_Rte_Inst_Sa_CrimitiCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc                                                                  | tgt_CmMtrCurr_Per3_VhSpdValid_t |                                   |       |
| tgt_Rte_Inst_Sa_CriffwitiCurr.Pim_ShCurrCal                                                                                    | tgt_Pim_ShCurrCal               | J.II190                           |       |
|                                                                                                                                |                                 | Expected Value                    | Desir |
| Name                                                                                                                           | Actual Value                    | Expected Value                    | Resu  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                          | 10001                           | 10001 ± 1                         |       |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                              | CURROFF_HIAVERAGE               | CURROFF_HIAVERAGE                 |       |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                            | 1                               | 1                                 |       |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                            | 1                               | 1                                 |       |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                          | 4.4000001                       | 4.4000001 ± 0.0003                |       |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                          | 1.93872654                      | 1.93872654 ± 0.0003               |       |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                        | 1.93872654                      | 1.93872654 ± 0.0003               |       |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                             | 12546.6621                      | 12546.6621 ± 0.0003               |       |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                             | 3                               | 3 ± 0.0003                        |       |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                           | 2.91764379                      | 2.91764379 ± 0.0003               |       |
|                                                                                                                                | 3                               | 3 ± 0.0003                        |       |
|                                                                                                                                |                                 |                                   |       |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 3<br>2.64458537                 | 3 ± 0.0003<br>2.64458537 ± 0.0003 |       |

| 1          | 1                                                                                                                                                       | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4.4000001  | 4.4000001 ± 0.0003                                                                                                                                      | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1.93872654 | 1.93872654 ± 0.0003                                                                                                                                     | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1.93872654 | 1.93872654 ± 0.0003                                                                                                                                     | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 12546.6621 | 12546.6621 ± 0.0003                                                                                                                                     | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 3          | 3 ± 0.0003                                                                                                                                              | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2.91764379 | 2.91764379 ± 0.0003                                                                                                                                     | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 3          | 3 ± 0.0003                                                                                                                                              | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 3          | 3 ± 0.0003                                                                                                                                              | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2.64458537 | 2.64458537 ± 0.0003                                                                                                                                     | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 33136.7109 | 33136.7109 ± 0.0003                                                                                                                                     | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 47839.5703 | 47839.5703 ± 0.0003                                                                                                                                     | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 15487.3604 | 15487.3604 ± 0.0003                                                                                                                                     | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 70405.5469 | 70405.5469 ± 0.001                                                                                                                                      | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 779.082642 | 779.082642 ± 0.0009765625                                                                                                                               | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4000       | 4000 ± 1                                                                                                                                                | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|            | 1.93872654<br>1.93872654<br>12546.6621<br>3<br>2.91764379<br>3<br>3<br>2.64458537<br>33136.7109<br>47839.5703<br>15487.3604<br>70405.5469<br>779.082642 | 1.93872654       1.93872654 ± 0.0003         1.93872654       1.93872654 ± 0.0003         12546.6621       12546.6621 ± 0.0003         3       3 ± 0.0003         2.91764379       2.91764379 ± 0.0003         3       3 ± 0.0003         2.64458537       2.64458537 ± 0.0003         33136.7109       33136.7109 ± 0.0003         47839.5703       47839.5703 ± 0.0003         15487.3604       15487.3604 ± 0.0003         70405.5469       70405.5469 ± 0.001         779.082642       779.082642 ± 0.0009765625 |





| Name                                              | Actual Value | Expected Value      | Result   |
|---------------------------------------------------|--------------|---------------------|----------|
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 72593.1016   | 72593.1016 ± 0.004  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.83289099   | 2.83289099 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.62811708   | 2.62811708 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.49345279   | 2.49345279 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.77509665   | 1.77509665 ± 0.0003 | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.50 (Repeat Count = 1)                              |                                   |                | ✓      |
|----------------------------------------------------------------|-----------------------------------|----------------|--------|
| Name                                                           | Input Value                       |                |        |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 30                                |                |        |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_HIAVERAGE                 |                |        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                                 |                |        |
| CmMtrCurr CurroffProcessFlag M enum                            | 2                                 |                |        |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 4.5                               |                |        |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 2.69017243                        |                |        |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                        | 2.69017243                        |                |        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 15487.3604                        |                |        |
| CmMtrCurr MtrCurr1SumLo Volt M f32                             | 3                                 |                |        |
| CmMtrCurr1SumZero Volt M f32                                   | 2.78381634                        |                |        |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                          | 3                                 |                |        |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                          | 2.63436913                        |                |        |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32                        | 2.66018128                        |                |        |
| CmMtrCurr MtrCurr2SumHi Volt M f32                             | 100.5                             |                |        |
| CmMtrCurr MtrCurr2SumLo Volt M f32                             | 1.02487695                        |                |        |
| CmMtrCurr MtrCurr2SumZero Volt M f32                           | 18428.4707                        |                |        |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                          | 53438.4727                        |                |        |
| CmMtrCurr VecuSum Volt M f32                                   | 778.205017                        |                |        |
| Rte Inst Sa CmMtrCurr                                          | tgt Rte Inst Sa CmMtrCurr         |                |        |
| k CurrOffNoofAvg Cnt u16                                       | 5850                              |                |        |
| k MaxCurrOffMtrVel RadpS f32                                   | 6.32810783                        |                |        |
| k MtrCurrEOLMaxOffset Volts f32                                | 2.03732872                        |                |        |
| k MtrCurrEOLMinOffset Volts f32                                | 1.10094762                        |                |        |
| k MtrCurrOffLoComOff Cnt u16                                   | 850                               |                |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 3                                 |                |        |
| tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32.value                 | 2.88700008                        |                |        |
| tgt CmMtrCurr Per3 MtrVel MtrRadpS f32.value                   | 6                                 |                |        |
| tgt CmMtrCurr Per3 Vecu Volt f32.value                         | 9.82472515                        |                |        |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.12093002e-008                   |                |        |
| tgt CmMtrCurr Per3 VhSpdValid Cnt Igc.value                    | 1                                 |                |        |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32               | 41748.7891                        |                |        |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                | 1.73949075                        |                |        |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                | 1.81584823                        |                |        |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32              | 2.0832448                         |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                                 |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_V  | olts f32       |        |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32 | tgt CmMtrCurr Per3 ADCMtrCurr2 V  | _              |        |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_ | _              |        |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32   | tgt CmMtrCurr Per3 MtrVel MtrRadp |                |        |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 Vecu Volt f32         | tgt CmMtrCurr Per3 Vecu Volt f32  | _              |        |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32        | tgt CmMtrCurr Per3 VehSpd Kph f3: | 2              |        |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VhSpdValid Cnt Igc    | tgt CmMtrCurr Per3 VhSpdValid Cnt |                |        |
| tgt Rte Inst Sa CmMtrCurr.Pim ShCurrCal                        | tgt_Pim_ShCurrCal                 |                |        |
| Name                                                           | Actual Value                      | Expected Value | Result |
|                                                                | Actual value                      | 24 to 4        | Result |

| Actual Value      | Expected Value                                                                                                           | Result   |
|-------------------|--------------------------------------------------------------------------------------------------------------------------|----------|
| 31                | 31 ± 1                                                                                                                   | ~        |
| CURROFF_HIAVERAGE | CURROFF_HIAVERAGE                                                                                                        | <b>✓</b> |
| 1                 | 1                                                                                                                        | ~        |
| 1                 | 1                                                                                                                        | ~        |
| 4.5               | 4.5 ± 0.0003                                                                                                             | ~        |
| 2.69017243        | 2.69017243 ± 0.0003                                                                                                      | ~        |
| 2.69017243        | 2.69017243 ± 0.0003                                                                                                      | ~        |
| 15490.3604        | 15490.3604 ± 0.0003                                                                                                      | <b>✓</b> |
| 3                 | 3 ± 0.0003                                                                                                               | ~        |
| 2.78381634        | 2.78381634 ± 0.0003                                                                                                      | <b>✓</b> |
| 3                 | 3 ± 0.0003                                                                                                               | ~        |
| 2.63436913        | 2.63436913 ± 0.0003                                                                                                      | ~        |
| 2.66018128        | 2.66018128 ± 0.0003                                                                                                      | ~        |
|                   | 31<br>CURROFF_HIAVERAGE<br>1<br>1<br>4.5<br>2.69017243<br>2.69017243<br>15490.3604<br>3<br>2.78381634<br>3<br>2.63436913 | 31       |





| Name                                              | Actual Value | Expected Value            | Result   |
|---------------------------------------------------|--------------|---------------------------|----------|
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 103.387001   | 103.387001 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 1.02487695   | 1.02487695 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 18428.4707   | 18428.4707 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 53438.4727   | 53438.4727 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 788.029724   | 788.029724 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 4000         | 4000 ± 1                  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 41748.7891   | 41748.7891 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.73949075   | 1.73949075 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.81584823   | 1.81584823 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.0832448    | 2.0832448 ± 0.0003        | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003                | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~        |

| Name                                                           | Input Value                 |                 |      |
|----------------------------------------------------------------|-----------------------------|-----------------|------|
| CmMtrCurr CurrOffAvgCounter Cnt M u16                          | 45                          |                 |      |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_LOAVERAGE           |                 |      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                           |                 |      |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 1                           |                 |      |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 2.17255139                  |                 |      |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 2.3003974                   |                 |      |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 2.3003974                   |                 |      |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 18428.4707                  |                 |      |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 0                           |                 |      |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 3                           |                 |      |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 3                           |                 |      |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 3                           |                 |      |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 1.78107488                  |                 |      |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 39016.2383                  |                 |      |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 3                           |                 |      |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 21369.5801                  |                 |      |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 6130.46191                  |                 |      |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 789.335022                  |                 |      |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr   |                 |      |
| k_CurrOffNoofAvg_Cnt_u16                                       | 6350                        |                 |      |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 10.4216404                  |                 |      |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 2.89515972                  |                 |      |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 3                           |                 |      |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 900                         |                 |      |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 1.13792109                  |                 |      |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 3                           |                 |      |
| gt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                    | 10                          |                 |      |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 14.3678427                  |                 |      |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.32093003e-008             |                 |      |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                           |                 |      |
| gt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                | 6579.94385                  |                 |      |
| gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                 | 3                           |                 |      |
| gt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                 | 2.84182739                  |                 |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 3                           |                 |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1.84872556                  |                 |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr0  | Curr1_Volts_f32 |      |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32  | tgt_CmMtrCurr_Per3_ADCMtr0  | Curr2_Volts_f32 |      |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16      | tgt_CmMtrCurr_Per3_ComOffs  | et_Cnt_u16      |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_M | /trRadpS_f32    |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Vo  | olt_f32         |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_  | Kph_f32         |      |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc     | tgt_CmMtrCurr_Per3_VhSpdVa  | alid_Cnt_lgc    |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal           |                 |      |
| Name                                                           | Actual Value                | Expected Value  | Resu |
| CmMtrCurr CurrOffAvaCounter Cnt M u16                          | 16                          | 46 + 1          |      |

| Name                                    | Actual Value      | Expected Value      | Result   |
|-----------------------------------------|-------------------|---------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 46                | 46 ± 1              | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_LOAVERAGE | CURROFF_LOAVERAGE   | •        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                 | 1                   | <b>✓</b> |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 1                 | 1                   | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 2.17255139        | 2.17255139 ± 0.0003 | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 2.3003974         | 2.3003974 ± 0.0003  | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 2.3003974         | 2.3003974 ± 0.0003  | ~        |





| Name                                              | Actual Value | Expected Value            | Result   |
|---------------------------------------------------|--------------|---------------------------|----------|
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 18428.4707   | 18428.4707 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 1.13792109   | 1.13792109 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 3            | 3 ± 0.0003                | •        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3            | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 3            | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 1.78107488   | 1.78107488 ± 0.0003       | <b>~</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 39016.2383   | 39016.2383 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 6            | 6 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 21369.5801   | 21369.5801 ± 0.0003       | •        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 6130.46191   | 6130.46191 ± 0.001        | •        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 789.335022   | 789.335022 ± 0.0009765625 | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 900          | 900 ± 1                   | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 6579.94385   | 6579.94385 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3            | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.84182739   | 2.84182739 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.84872556   | 1.84872556 ± 0.0003       | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.52 (Repeat Count = 1)                              |                                        |                | <b>✓</b> |
|----------------------------------------------------------------|----------------------------------------|----------------|----------|
| Name                                                           | Input Value                            |                |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 46                                     |                |          |
| CmMtrCurr CurrOffState Uls M enum                              | CURROFF LOAVERAGE                      |                |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                                      |                |          |
| CmMtrCurr CurroffProcessFlag M enum                            | 2                                      |                |          |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 1.55437148                             |                |          |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 2.18853402                             |                |          |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                        | 2.18853402                             |                |          |
| CmMtrCurr MtrCurr1SumHi Volt M f32                             | 1.22132409                             |                |          |
| CmMtrCurr MtrCurr1SumLo Volt M f32                             | 50000                                  |                |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 2.45344734                             |                |          |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                          | 1.05157495                             |                |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 2.47292328                             |                |          |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32                        | 2.08536386                             |                |          |
| CmMtrCurr MtrCurr2SumHi Volt M f32                             | 41957.3516                             |                |          |
| CmMtrCurr MtrCurr2SumLo Volt M f32                             | 2.37079549                             |                |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 24310.6895                             |                |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 37677.1406                             |                |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 800.465027                             |                |          |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr              |                |          |
| k_CurrOffNoofAvg_Cnt_u16                                       | 6850                                   |                |          |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 9.15929317                             |                |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 2.99555564                             |                |          |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 1.11085141                             |                |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 950                                    |                |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 0.182596684                            |                |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 1.35922432                             |                |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 9                                      |                |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 5.0676527                              |                |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.22093002e-008                        |                |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                      |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 50186.2891                             |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                                      |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.30887294                             |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1.13170183                             |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                                      |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_  | f32            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_  | f32            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16   |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f3. | 2              |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32       |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32      |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc  |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                      |                |          |
| Name                                                           | Actual Value                           | Expected Value | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 47                                     | 47 ± 1         | ~        |



| Name                                              | Actual Value      | Expected Value            | Result   |
|---------------------------------------------------|-------------------|---------------------------|----------|
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_LOAVERAGE | CURROFF_LOAVERAGE         | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                 | 1                         | <b>~</b> |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                 | 1                         | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 1.55437148        | 1.55437148 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 2.18853402        | 2.18853402 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 2.18853402        | 2.18853402 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 1.22132409        | 1.22132409 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 50000.1836        | 50000.1836 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 2.45344734        | 2.45344734 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 1.05157495        | 1.05157495 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 2.47292328        | 2.47292328 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.08536386        | 2.08536386 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 41957.3516        | 41957.3516 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 3.73001981        | 3.73001981 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 24310.6895        | 24310.6895 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 37677.1406        | 37677.1406 ± 0.001        | <b>~</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 800.465027        | 800.465027 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 950               | 950 ± 1                   | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 50186.2891        | 50186.2891 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.30887294        | 2.30887294 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.13170183        | 1.13170183 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                 | 3 ± 0.0003                | <b>~</b> |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Test Step 2.53 (Repeat Count = 1)                              | <b>√</b>                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|------------------------------------------|
| CmMtrCurr_CurrOffState_Uls_M_enum         CURROFF_LOAVERAGE           CmMtrCurr_CurrOffTroressElf_Isg_M_enum         3           CmMtrCurr_MtrCurr1Offsetth_I_Voll_M_f32         3           CmMtrCurr_MtrCurr1Offsetth_I_Voll_M_f32         2,4301908           CmMtrCurr_MtrCurr1OffsettLo_Voil_M_f32         2,4301908           CmMtrCurr_MtrCurr1SumH_I_Volt_M_f32         1,53220647           CmMtrCurr_MtrCurr1SumH_I_Volt_M_f32         1,53220647           CmMtrCurr_MtrCurrSumH_I_Volt_M_f32         2564,25098           CmMtrCurr_MtrCurr2Offsett_Ovlt_M_f32         1,18977249           CmMtrCurr_MtrCurr2Offsett_Ovlt_M_f32         3           CmMtrCurr_MtrCurr2Offsett_Ovlt_M_f32         3           CmMtrCurr_MtrCurr2Offset_Ovlt_M_f32         1,85310507           CmMtrCurr_MtrCurr2SumH_I_Volt_M_f32         1,85310507           CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         1,62852371           CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         1,62852371           CmMtrCurr_MtrCurrSumZero_Volt_M_f32         49168.3633           CmMtrCurr_MtrCurrYalCmd_VoltCnt_M_f32         49168.3633           CmMtrCurr_MtrCurrYalCmd_VoltCnt_M_f32         49168.3633           CmMtrCurr_Sum_Volt_M_f32         11,594971           Rt_inst_Sa_CmMtrCurr         igt_Re_inst_Sa_CmMtrCurr           k_MtrCurrEOLMaxOffset_Volts_f32         12                                                                     | Name                                                           | Input Value                              |
| CmMtrCurr_CurrOffTrimFlag_Cn_M_lgc         1           CmMtrCurr_CurrOffProcessFlag_M_enum         3           CmMtrCurr_MtrCurrOffsetIL_Volt_M_f32         2           2 CmMtrCurr_MtrCurrOffsetLo_Volt_M_f32         2.4301908           CmMtrCurr_MtrCurrOffsetZero_Volt_M_f32         2.4301908           CmMtrCurr_MtrCurrOffsetZero_Volt_M_f32         1.5220647           CmMtrCurr_MtrCurrSumHi_Volt_M_f32         2.564.25098           CmMtrCurr_MtrCurrSumZero_Volt_M_f32         1.18977249           CmMtrCurr_MtrCurrOffsetLi_Volt_M_f32         3           CmMtrCurr_MtrCurrOffsetLi_Volt_M_f32         3           CmMtrCurr_MtrCurrOffsetLi_Volt_M_f32         1.85310507           CmMtrCurr_MtrCurr2SumHi_Volt_M_f32         121.535004           CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         122.535004           CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         1.62852371           CmMtrCurr_MtrCurrSumLo_Volt_M_f32         27251.8008           CmMtrCurr_MtrCurrSumLo_Volt_M_f32         316.3633           CmMtrCurr_MtrCurrYsComd_Volt_M_f32         49166.3633           CmMtrCurr_NtrCurrVsComd_Volt_M_f32         811.594971           Tte_Inst_Sa_CmMtrCurr         1 tg.R_Inst_Sa_CmMtrCurr           k_Inst_Ass_Criffet_Volts_f32         1.24209137           k_MtrCurrEOLMaxOffset_Volts_f32         1.38772607                                                                                        | CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 47                                       |
| CmMtrCurr_CurroffProcessFlag_M_enum         3           CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32         3           CmMtrCurr_MtrCurr1OffsetLor_Volt_M_f32         2.4301908           CmMtrCurr_MtrCurr1StezFor_Volt_M_f32         2.4301908           CmMtrCurr_MtrCurr1SumHi_Volt_M_f32         1.35220647           CmMtrCurr_MtrCurr1SumLo_Volt_M_f32         2.564.25098           CmMtrCurr_MtrCurr1SumZero_Volt_M_f32         1.18977249           CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32         3           CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32         3           CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32         1.85310507           CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32         1.853004           CmMtrCurr_MtrCurr2SumHi_Volt_M_f32         121.535004           CmMtrCurr_MtrCurr2SumEro_Volt_M_f32         1.62852371           CmMtrCurr_MtrCurr2SumZero_Volt_M_f32         49166.3633           CmMtrCurr_MtrCurr2Mcmd_VoltCnt_M_f32         49166.3633           CmMtrCurr_MtrCurr2Cmd_Volt_M_f32         811.594971           Rte_Inst_Sa_CmMtrCurr         tgt_Rte_Inst_Sa_CmMtrCurr           k_UrrOffNoolAvg_Cnt_u16         7350           k_MtrCurrEOLMinOffset_Volts_f32         1.24209137           k_MtrCurrEOLMinOffset_Volts_f32         1.38772607           k_MtrCurr_Per3_ADCMtrCurr_Volts_f32 value         1.1830914                                                                             | CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_LOAVERAGE                        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32         2.4301908           CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32         2.4301908           CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32         2.4301908           CmMtrCurr_MtrCurr1SumLo_Volt_M_f32         1.55220647           CmMtrCurr_MtrCurr1SumLo_Volt_M_f32         2564.25098           CmMtrCurr_MtrCurr1SumZero_Volt_M_f32         1.18977249           CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32         3           CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32         3           CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32         1.85310507           CmMtrCurr_MtrCurr2SumHi_Volt_M_f32         1.21535004           CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         1.62852371           CmMtrCurr_MtrCurr2SumZero_Volt_M_f32         27251.8008           CmMtrCurr_MtrCurr4Clcmd_VoltCnt_M_f32         49166.3633           CmMtrCurr_VecuSum_Volt_M_f32         811.594971           Rt_Inst_Sa_CmMtrCurr         tgt_Rte_Inst_Sa_CmMtrCurr           k_omtrCurr_Pardps_f32         1.24209137           k_MtrCurrEOLManOffset_Volts_f32         1.38772607           k_MtrCurrEOLManOffset_Volts_f32         1.38772607           k_MtrCurr_Per3_ADCMtrCurr_Volts_f32 value         1.1830914           tgt_CmMtrCurr_Per3_NtrVel_MtrRadps_f32 value         1.28093002e-008           tgt_CmMtrCurr_Per3_Vecv_Volt_f32 value </td <td>CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc</td> <td>1</td> | CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                                        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32         2.4301908           CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32         2.4301908           CmMtrCurr_MtrCurr1SumHi_Volt_M_f32         1.35220647           CmMtrCurr_MtrCurr1SumLo_Volt_M_f32         2564.25098           CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32         1.18977249           CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32         3           CmMtrCurr_MtrCurr2OffsetEzero_Volt_M_f32         3           CmMtrCurr_MtrCurr2SumHi_Volt_M_f32         1.85310507           CmMtrCurr_MtrCurr2SumLi_Volt_M_f32         121.535004           CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         121.535004           CmMtrCurr_MtrCurr2SumZero_Volt_M_f32         27251.8008           CmMtrCurr_MtrCurr2SumZero_Volt_M_f32         49168.3633           CmMtrCurr_MtrCurr2SumZero_Volt_M_f32         49168.3633           CmMtrCurr_VecuSum_Volt_M_f32         49168.3633           CmMtrCurr_VecuSum_Volt_M_f32         811.594971           Rte_Inst_Sa_CmMtrCurr         tgt_Rte_Inst_Sa_CmMtrCurr           k_urr_VecuSum_Volt_M_f32         12.4209137           k_mtrCurrEoLMaxOffset_Volts_f32         12.4209137           k_mtrCurr_DLMaxOffset_Volts_f32         1.38772607           k_mtrCurr_Per3_ADCMtrCurr_Volts_f32.value         1.1830914           tgt_CmMtrCurr_Per3_ADCMtrCurr_Volts_f32.value                                                                        | CmMtrCurr_CurroffProcessFlag_M_enum                            | 3                                        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32         2.4301908           CmMtrCurr_MtrCurr1SumHi_Volt_M_f32         1.35220647           CmMtrCurr_MtrCurr1SumLo_Volt_M_f32         2564.25098           CmMtrCurr_MtrCurr1SumLo_Volt_M_f32         1.18977249           CmMtrCurr_MtrCurr2OffsetDe_Volt_M_f32         3           CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32         3           CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32         1.85310507           CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         1.82852371           CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         1.62852371           CmMtrCurr_MtrCurr2SumZero_Volt_M_f32         27251.8008           CmMtrCurr_MtrCurr4SumZero_Volt_M_f32         49166.3333           CmMtrCurr_MtrCurr4Clcmd_VoltCnt_M_f32         49166.3333           CmMtrCurr_Vecusum_Volt_M_f32         811.594971           Rle_Inst_Sa_CmMtrCurr         1gt_Rte_Inst_Sa_CmMtrCurr           k_OurOffNoofAvg_Cnt_u16         7350           k_MaxCurrOffMtrVel_RadpS_f32         12.4209137           k_MtrCurrEOLMinOffset_Volts_f32         1.38772607           k_MtrCurrOffLocomOff_Cnt_u16         1000           tgt_CmMtrCurr_Per3_ADCMtrcurr1_Volts_f32.value         1.98084521           tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value         1.12093002e-008           tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                                                       | CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 3                                        |
| CmMtrCurr_NtrCurr1SumLi_Volt_M_f32         1.35220647           CmMtrCurr_MtrCurr1SumLo_Volt_M_f32         2564.25098           CmMtrCurr_MtrCurr1SumZero_Volt_M_f32         1.18977249           CmMtrCurr_MtrCurr2Offsetti_Volt_M_f32         3           CmMtrCurr_MtrCurr2Offsetto_Volt_M_f32         3           CmMtrCurr_MtrCurr2SumHi_Volt_M_f32         1.85310507           CmMtrCurr_MtrCurr2SumHi_Volt_M_f32         1.8535004           CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         1.82852371           CmMtrCurr_MtrCurr2SumZero_Volt_M_f32         27251.8008           CmMtrCurr_MtrCurr2SumZero_Volt_M_f32         49166.3633           CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32         49166.3633           CmMtrCurr_VecuSum_Volt_M_f32         811.594971           Rte_inst_Sa_CmMtrCurr         tgt_Re_Inst_Sa_CmMtrCurr           k_ourdOffMtrVel_RadpS_f32         12.4209137           k_mtxCurrOffMtrVel_RadpS_f32         12.4209137           k_mtrCurrEOLMinoffset_Volts_f32         2.73520017           k_mtrCurrEOLMinoffset_Volts_f32         1.38772607           k_mtrCurr_Per3_ADCMtrCurr_Volts_f32.value         1.1830914           tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value         1.8084521           tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value         15.0432358           tgt_CmMtrCurr_Per3_Volspd_Kph_f32.value                                                                   | CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 2.4301908                                |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32         2564.25098           CmMtrCurr_MtrCurr1SumZero_Volt_M_f32         1.18977249           CmMtrCurr_MtrCurr2OffsetLi_Volt_M_f32         3           CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32         3           CmMtrCurr_MtrCurr2OffsetLor_Volt_M_f32         1.85310507           CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         121.535004           CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         1.62852371           CmMtrCurr_MtrCurr2SumZero_Volt_M_f32         27251.8008           CmMtrCurr_MtrCurrYalCmd_VoltCnt_M_f32         49166.3633           CmMtrCurr_VecuSum_Volt_M_f32         811.594971           CmMtrCurr_VecuSum_Volt_M_f32         811.594971           Rte_Inst_Sa_CmMtrCurr         tgt_Rte_Inst_Sa_CmMtrCurr           k_ourOffMtrVel_RadpS_f32         12.4209137           k_mtrCurrEOLMaxOffSet_Volts_f32         2.73520017           k_mtrCurrEOLMinOffset_Volts_f32         1.38772607           k_mtrCurrOffLocomOff_Cnt_u16         1000           tgt_CmMtrCurr_Per3_ADCMtrCurr_Volts_f32.value         1.1830914           tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value         1.88084521           tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value         25.0432358           tgt_CmMtrCurr_Per3_VebSpd_Kph_f32.value         1.12093002e-008           tgt_CmMtrCurr_Per3_VebSpd_Kph_f32.value         <                                                                 | CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 2.4301908                                |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32         1.18977249           CmMtrCurr_MtrCurr2OffsetLi_Volt_M_f32         3           CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32         1.85310507           CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32         1.85310507           CmMtrCurr_MtrCurr2SumHi_Volt_M_f32         121.535004           CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         1.62852371           CmMtrCurr_MtrCurr2SumZero_Volt_M_f32         27251.8008           CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32         49166.3633           CmMtrCurr_VecuSum_Volt_M_f32         81.594971           Rte_Inst_Sa_CmMtrCurr         tg_Rte_Inst_Sa_CmMtrCurr           k_Inst_Sa_CmMtrCurr         tg_Rte_Inst_Sa_CmMtrCurr           k_LourGfMtrVel_RadpS_f32         12.4209137           k_MtrCurrEOLMaxOffset_Volts_f32         2.73520017           k_MtrCurrEOLMinOffset_Volts_f32         1.38772607           k_MtrCurrOffLocomOff_Cnt_u16         1000           tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value         1.1830914           tgt_CmMtrCurr_Per3_MtrVel_MtrRadps_f32.value         1.88084521           tgt_CmMtrCurr_Per3_Velos_MtrRadps_f32.value         25.0432358           tgt_CmMtrCurr_Per3_Velos_MtrRadps_f32.value         25.0432358           tgt_CmMtrCurr_Per3_Velos_MtrAdps_f32.value         1.12093002e-008           tgt_CmMtrCurr_Pe                                                            | CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 1.35220647                               |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32       3         CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32       1.85310507         CmMtrCurr_MtrCurr2SumHi_Volt_M_f32       1.85310507         CmMtrCurr_MtrCurr2SumHo_Volt_M_f32       121.535004         CmMtrCurr_MtrCurr2SumLo_Volt_M_f32       1.62852371         CmMtrCurr_MtrCurr2SumCero_Volt_M_f32       27251.8008         CmMtrCurr_MtrCurr2SumCero_Volt_M_f32       49166.3633         CmMtrCurr_VecuSum_Volt_M_f32       811.594971         Rte_Inst_Sa_CmMtrCurr       tgt_Rte_Inst_Sa_CmMtrCurr         k_CurrOffNoofAvg_Cnt_u16       7350         k_MaxCurrOffMtrVel_RadpS_f32       12.4209137         k_MtrCurrEOLMaxOffset_Volts_f32       1.38772607         k_MtrCurrOffLoComOff_Cnt_u16       1000         tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value       1.1830914         tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value       1.98084521         tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value       12         tgt_CmMtrCurr_Per3_VenSpd_Kph_f32.value       25.0432358         tgt_CmMtrCurr_Per3_VenSpd_Kph_f32.value       1.12093002e-008         tgt_CmMtrCurr_Per3_VenSpd_Volt_if20.value       1.12093002e-008                                                                                                                                                                                                                                              | CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 2564.25098                               |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32       3         CmMtrCurr_MtrCurr2SumHi_Volt_M_f32       1.85310507         CmMtrCurr_MtrCurr2SumHi_Volt_M_f32       121.535004         CmMtrCurr_MtrCurr2SumLo_Volt_M_f32       1.62852371         CmMtrCurr_MtrCurr2SumZero_Volt_M_f32       27251.8008         CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32       49166.3633         CmMtrCurr_VecuSum_Volt_M_f32       811.594971         Rte_Inst_Sa_CmMtrCurr       tgt_Rte_Inst_Sa_CmMtrCurr         k_CurrOffNoofAvg_Cnt_u16       7350         k_MaxCurrOffMtrVel_RadpS_f32       12.4209137         k_MtrCurrEOLMaxOffset_Volts_f32       2.73520017         k_MtrCurrEOLMinOffset_Volts_f32       1.38772607         k_MtrCurr_Per3_ADCMtrCurr_Volts_f32.value       1.98084521         tgt_CmMtrCurr_Per3_ADCMtrCurr_Volts_f32.value       1.98084521         tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value       12         tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value       25.0432358         tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value       1.12093002e-008         tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value       1                                                                                                                                                                                                                                                                                                                           | CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 1.18977249                               |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32       1.85310507         CmMtrCurr_MtrCurr2SumHi_Volt_M_f32       121.535004         CmMtrCurr_MtrCurr2SumLo_Volt_M_f32       1.82852371         CmMtrCurr_MtrCurr2SumZero_Volt_M_f32       27251.8008         CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32       49166.3633         CmMtrCurr_VecuSum_Volt_M_f32       811.594971         Rte_Inst_Sa_CmMtrCurr       tgt_Rte_Inst_Sa_CmMtrCurr         k_CurrOffMofAvg_Cnt_u16       7350         k_MaxCurrOffMtrVel_RadpS_f32       12.4209137         k_MtrCurrEOLMaxOffset_Volts_f32       2.73520017         k_MtrCurrEOLMinOffset_Volts_f32       1.38772607         k_MtrCurr_Per3_ADCMtrCurr1_Volts_f32.value       1.1830914         tgl_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value       1.98084521         tgl_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value       12         tgl_CmMtrCurr_Per3_Vecu_Volt_f32.value       25.0432358         tgl_CmMtrCurr_Per3_Vebpd_Kph_f32.value       1.12093002e-008         tgl_CmMtrCurr_Per3_VbSpdValid_Cnt_lgc.value       1                                                                                                                                                                                                                                                                                                                                                                         | CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 3                                        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32       121.535004         CmMtrCurr_MtrCurr2SumLo_Volt_M_f32       1.62852371         CmMtrCurr_MtrCurr2SumZero_Volt_M_f32       27251.8008         CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32       49166.3633         CmMtrCurr_VecuSum_Volt_M_f32       811.594971         Rte_Inst_Sa_CmMtrCurr       tgt_Rte_Inst_Sa_CmMtrCurr         k_OurrOffMoofAvg_Cnt_u16       7350         k_MaxCurrOffMtrVel_Radps_f32       12.4209137         k_MtrCurrEOLMaxOffset_Volts_f32       2.73520017         k_MtrCurrEOLMinOffset_Volts_f32       1.38772607         k_MtrCurr_PotAmfrCurr_Por3_ADCMtrCurr1_Volts_f32.value       1.1830914         tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value       1.98084521         tgt_CmMtrCurr_Per3_MtrVel_MtrRadps_f32.value       12         tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value       25.0432358         tgt_CmMtrCurr_Per3_Vebpd_Kph_f32.value       1.12093002e-008         tgt_CmMtrCurr_Per3_Vebpd_Valid_Cnt_lgc.value       1                                                                                                                                                                                                                                                                                                                                                                                                                            | CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 3                                        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32       1.62852371         CmMtrCurr_MtrCurr2SumZero_Volt_M_f32       27251.8008         CmMtrCurr_MtrCurrVecuSum_Volt_M_f32       49166.3633         CmMtrCurr_VecuSum_Volt_M_f32       811.594971         Rte_Inst_Sa_CmMtrCurr       tgt_Rte_Inst_Sa_CmMtrCurr         k_UrrOffMoofAvg_Cnt_u16       7350         k_MaxCurrOffMtrVel_RadpS_f32       12.4209137         k_MtrCurrEOLMaxOffset_Volts_f32       2.73520017         k_MtrCurrEOLMinOffset_Volts_f32       1.38772607         k_MtrCurrOffLoComOff_Cnt_u16       1000         tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value       1.1830914         tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value       1.98084521         tgt_CmMtrCurr_Per3_Vocu_Volt_f32.value       12         tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value       25.0432358         tgt_CmMtrCurr_Per3_VohSpd_Kph_f32.value       1.12093002e-008         tgt_CmMtrCurr_Per3_VhSpd_Valid_Cnt_lgc.value       1                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 1.85310507                               |
| CmMtrCurr MtrCurr2SumZero_Volt_M_f32       27251.8008         CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32       49166.3633         CmMtrCurr_VecuSum_Volt_M_f32       811.594971         Rte_Inst_Sa_CmMtrCurr       tgt_Rte_Inst_Sa_CmMtrCurr         k_CurrOffNoofAvg_Cnt_u16       7350         k_MaxCurrOffMtrVel_RadpS_f32       12.4209137         k_MtrCurrEOLMaxOffset_Volts_f32       2.73520017         k_MtrCurrEOLMinOffset_Volts_f32       1.38772607         k_MtrCurrOffLoComOff_Cnt_u16       1000         tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value       1.1830914         tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value       1.98084521         tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value       12         tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value       25.0432358         tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value       1.12093002e-008         tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value       1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 121.535004                               |
| CmMtrCurr MtrCurrValCmd_VoltCnt_M_f32       49166.3633         CmMtrCurr_VecuSum_Volt_M_f32       811.594971         Rte_Inst_Sa_CmMtrCurr       tgt_Rte_Inst_Sa_CmMtrCurr         k_CurrOffNoofAvg_Cnt_u16       7350         k_MaxCurrOffMtrVel_RadpS_f32       12.4209137         k_MtrCurrEOLMaxOffset_Volts_f32       2.73520017         k_MtrCurrEOLMinOffset_Volts_f32       1.38772607         k_MtrCurrOffLoComOff_Cnt_u16       1000         tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value       1.1830914         tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value       1.98084521         tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value       12         tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value       25.0432358         tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value       1.12093002e-008         tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value       1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 1.62852371                               |
| CmMtrCurr_VecuSum_Volt_M_f32       811.594971         Rte_Inst_Sa_CmMtrCurr       tgt_Rte_Inst_Sa_CmMtrCurr         k_CurrOffNoofAvg_Cnt_u16       7350         k_MaxCurrOffMtrVel_RadpS_f32       12.4209137         k_MtrCurrEOLMaxOffset_Volts_f32       2.73520017         k_MtrCurrEOLMinOffset_Volts_f32       1.38772607         k_MtrCurrOffLoComOff_Cnt_u16       1000         tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value       1.1830914         tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value       1.98084521         tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value       12         tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value       25.0432358         tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value       1.12093002e-008         tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value       1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 27251.8008                               |
| Rte_Inst_Sa_CmMtrCurr       tgt_Rte_Inst_Sa_CmMtrCurr         k_CurrOffNoofAvg_Cnt_u16       7350         k_MaxCurrOffMtrVel_RadpS_f32       12.4209137         k_MtrCurrEOLMaxOffset_Volts_f32       2.73520017         k_MtrCurrEOLMinOffset_Volts_f32       1.38772607         k_MtrCurrOffLoComOff_Cnt_u16       1000         tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value       1.1830914         tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value       1.98084521         tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value       12         tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value       25.0432358         tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value       1.12093002e-008         tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value       1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 49166.3633                               |
| k_CurrOffNoofAvg_Cnt_u16       7350         k_MaxCurrOffMtrVel_RadpS_f32       12.4209137         k_MtrCurrEOLMaxOffset_Volts_f32       2.73520017         k_MtrCurrEOLMinOffset_Volts_f32       1.38772607         k_MtrCurrOffLoComOff_Cnt_u16       1000         tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value       1.1830914         tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value       1.98084521         tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value       12         tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value       25.0432358         tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value       1.12093002e-008         tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value       1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CmMtrCurr_VecuSum_Volt_M_f32                                   | 811.594971                               |
| k_MaxCurrOffMtrVel_RadpS_f32       12.4209137         k_MtrCurrEOLMaxOffset_Volts_f32       2.73520017         k_MtrCurrOffLoComOff_Cnt_u16       1000         tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value       1.1830914         tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value       1.98084521         tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value       12         tgt_CmMtrCurr_Per3_Vecu_volt_f32.value       25.0432358         tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value       1.12093002e-008         tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value       1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr                |
| k_MtrCurrEOLMaxOffset_Volts_f32       2.73520017         k_MtrCurrEOLMinOffset_Volts_f32       1.38772607         k_MtrCurrOffLoComOff_Cnt_u16       1000         tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value       1.1830914         tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value       1.98084521         tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value       12         tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value       25.0432358         tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value       1.12093002e-008         tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value       1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | k_CurrOffNoofAvg_Cnt_u16                                       | 7350                                     |
| k_MtrCurrEOLMinOffset_Volts_f32       1.38772607         k_MtrCurrOffLoComOff_Cnt_u16       1000         tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value       1.1830914         tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value       1.98084521         tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value       12         tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value       25.0432358         tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value       1.12093002e-008         tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value       1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | k_MaxCurrOffMtrVel_RadpS_f32                                   | 12.4209137                               |
| k_MtrCurrOffLoComOff_Cnt_u16       1000         tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value       1.1830914         tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value       1.98084521         tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value       12         tgt_CmMtrCurr_Per3_Vecu_volt_f32.value       25.0432358         tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value       1.12093002e-008         tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value       1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | k_MtrCurrEOLMaxOffset_Volts_f32                                | 2.73520017                               |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value       1.1830914         tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value       1.98084521         tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value       12         tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value       25.0432358         tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value       1.2093002e-008         tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value       1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | k_MtrCurrEOLMinOffset_Volts_f32                                | 1.38772607                               |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value       1.98084521         tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value       12         tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value       25.0432358         tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value       1.12093002e-008         tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value       1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | k_MtrCurrOffLoComOff_Cnt_u16                                   | 1000                                     |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value 12  tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value 25.0432358  tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value 1.12093002e-008  tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 1.1830914                                |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value 25.0432358 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value 1.12093002e-008 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 1.98084521                               |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value 1.12093002e-008 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 12                                       |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_Igc.value 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 25.0432358                               |
| 021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.12093002e-008                          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 66.5053101                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 66.5053101                               |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 1.07186615                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 1.07186615                               |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 1.33528733                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 1.33528733                               |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 2.92991114                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.92991114                               |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 1.5541091                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1.5541091                                |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16     |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   |





| Name                                                        | Input Value                      |                           |          |
|-------------------------------------------------------------|----------------------------------|---------------------------|----------|
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32      | tgt_CmMtrCurr_Per3_Vecu_Volt_f32 | 2                         |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32     | tgt_CmMtrCurr_Per3_VehSpd_Kph_   | _f32                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc | tgt_CmMtrCurr_Per3_VhSpdValid_0  | Cnt_lgc                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                     | tgt_Pim_ShCurrCal                |                           |          |
| Name                                                        | Actual Value                     | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                       | 48                               | 48 ± 1                    | <b>✓</b> |
| CmMtrCurr_CurrOffState_Uls_M_enum                           | CURROFF_LOAVERAGE                | CURROFF_LOAVERAGE         | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                         | 1                                | 1                         | <b>✓</b> |
| CmMtrCurr_CurroffProcessFlag_M_enum                         | 1                                | 1                         | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                       | 3                                | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                       | 2.4301908                        | 2.4301908 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                     | 2.4301908                        | 2.4301908 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                          | 1.35220647                       | 1.35220647 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                          | 2565.43408                       | 2565.43408 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                        | 1.18977249                       | 1.18977249 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                       | 3                                | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                       | 3                                | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                     | 1.85310507                       | 1.85310507 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                          | 121.535004                       | 121.535004 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                          | 3.6093688                        | 3.6093688 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                        | 27251.8008                       | 27251.8008 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                       | 49166.3633                       | 49166.3633 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                                | 811.594971                       | 811.594971 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                  | 1000                             | 1000 ± 1                  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32            | 66.5053101                       | 66.5053101 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32             | 1.07186615                       | 1.07186615 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32             | 1.33528733                       | 1.33528733 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32           | 2.92991114                       | 2.92991114 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32           | 1.5541091                        | 1.5541091 ± 0.0003        | ~        |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.54 (Repeat Count = 1)                | ✓                         |
|--------------------------------------------------|---------------------------|
| Name                                             | Input Value               |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16            | 48                        |
| CmMtrCurr_CurrOffState_Uls_M_enum                | CURROFF_LOAVERAGE         |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc              | 1                         |
| CmMtrCurr_CurroffProcessFlag_M_enum              | 2                         |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32            | 2.89845324                |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32            | 1.79951966                |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32          | 1.79951966                |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32               | 3                         |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32               | 3                         |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32             | 3                         |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32            | 3                         |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32            | 2.43861294                |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32          | 1.31556726                |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32               | 132.664993                |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32               | 0                         |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32             | 30192.9102                |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32            | 51315.3594                |
| CmMtrCurr_VecuSum_Volt_M_f32                     | 822.724976                |
| Rte_Inst_Sa_CmMtrCurr                            | tgt_Rte_Inst_Sa_CmMtrCurr |
| k_CurrOffNoofAvg_Cnt_u16                         | 7850                      |
| k_MaxCurrOffMtrVel_RadpS_f32                     | 17.6410484                |
| k_MtrCurrEOLMaxOffset_Volts_f32                  | 3                         |
| k_MtrCurrEOLMinOffset_Volts_f32                  | 1.6284523                 |
| k_MtrCurrOffLoComOff_Cnt_u16                     | 1050                      |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value   | 1.52804279                |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value   | 1.6518712                 |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value     | 17                        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value           | 27.7039509                |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value          | 1.82093007e-008           |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value      | 1                         |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 | 63330.0391                |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  | 3                         |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32  | 2.78589034                |

tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32

tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32





| Name                                                           | Input Value                      |                           |          |
|----------------------------------------------------------------|----------------------------------|---------------------------|----------|
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 3                                |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 2.26931763                       |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_  | _Volts_f32                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_  | _Volts_f32                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cr  | nt_u16                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRad | dpS_f32                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32 | 2                         |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_   | <u>f</u> 32               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_C  | cnt_lgc                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                |                           |          |
| Name                                                           | Actual Value                     | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 49                               | 49 ± 1                    | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_LOAVERAGE                | CURROFF_LOAVERAGE         | ~        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                                | 1                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 1                                | 1                         | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 2.89845324                       | 2.89845324 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 1.79951966                       | 1.79951966 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 1.79951966                       | 1.79951966 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 3                                | 3 ± 0.0003                | •        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 4.52804279                       | 4.52804279 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 3                                | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 3                                | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 2.43861294                       | 2.43861294 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 1.31556726                       | 1.31556726 ± 0.0003       | <b>~</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 132.664993                       | 132.664993 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 1.6518712                        | 1.6518712 ± 0.0003        | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 30192.9102                       | 30192.9102 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 51315.3594                       | 51315.3594 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 822.724976                       | 822.724976 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                     | 1050                             | 1050 ± 1                  | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 63330.0391                       | 63330.0391 ± 0.004        | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                                | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.78589034                       | 2.78589034 ± 0.0003       | ~        |
|                                                                |                                  |                           |          |

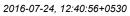
| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~        |

2.26931763

3 ± 0.0003

2.26931763 ± 0.0003

| Test Step 2.55 (Repeat Count = 1)              | · Carlotte and Carl |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Name                                           | Input Value                                                                                                    |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16          | 49                                                                                                             |
| CmMtrCurr_CurrOffState_Uls_M_enum              | CURROFF_LOAVERAGE                                                                                              |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc            | 1                                                                                                              |
| CmMtrCurr_CurroffProcessFlag_M_enum            | 3                                                                                                              |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32          | 3                                                                                                              |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32          | 3.25399995                                                                                                     |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32        | 1.69485998                                                                                                     |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32             | 1.76121855                                                                                                     |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32             | 3                                                                                                              |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32           | 3                                                                                                              |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32          | 3                                                                                                              |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32          | 1.55947113                                                                                                     |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32        | 2.69362235                                                                                                     |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32             | 143.794998                                                                                                     |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32             | 50000                                                                                                          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32           | 33134.0195                                                                                                     |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32          | 70020.0547                                                                                                     |
| CmMtrCurr_VecuSum_Volt_M_f32                   | 833.85498                                                                                                      |
| Rte_Inst_Sa_CmMtrCurr                          | tgt_Rte_Inst_Sa_CmMtrCurr                                                                                      |
| k_CurrOffNoofAvg_Cnt_u16                       | 8350                                                                                                           |
| k_MaxCurrOffMtrVel_RadpS_f32                   | 9.910882                                                                                                       |
| k_MtrCurrEOLMaxOffset_Volts_f32                | 3                                                                                                              |
| k_MtrCurrEOLMinOffset_Volts_f32                | 2.75472307                                                                                                     |
| k_MtrCurrOffLoComOff_Cnt_u16                   | 1100                                                                                                           |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value | 1.20388198                                                                                                     |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value | 2.78112721                                                                                                     |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value   | 9                                                                                                              |





| Name                                                           | Input Value                              |                 |        |  |
|----------------------------------------------------------------|------------------------------------------|-----------------|--------|--|
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 12.5219145                               | 12.5219145      |        |  |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.72093007e-008                          | 1.72093007e-008 |        |  |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                        |                 |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 69826.0703                               |                 |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 2.46081305                               |                 |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                                        |                 |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1.26964259                               | 1.26964259      |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                                        |                 |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 |                 |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCur             | r2_Volts_f32    |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16     |                 |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   |                 |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32         |                 |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32        |                 |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    |                 |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                        |                 |        |  |
| Name                                                           | Actual Value                             | Expected Value  | Result |  |

| ig_rite_mo_ea_eminitean:: im_emeaned              | tg_n in_onounou   |                          |          |  |
|---------------------------------------------------|-------------------|--------------------------|----------|--|
| Name                                              | Actual Value      | Expected Value           | Result   |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 50                | 50 ± 1                   | ~        |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_LOAVERAGE | CURROFF_LOAVERAGE        | ~        |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                 | 1                        | ~        |  |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                 | 1                        | ~        |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003               | <b>✓</b> |  |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 3.25399995        | 3.25399995 ± 0.0003      | <b>✓</b> |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 1.69485998        | 1.69485998 ± 0.0003      | <b>✓</b> |  |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 1.76121855        | 1.76121855 ± 0.0003      | ~        |  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 4.20388222        | 4.20388222 ± 0.0003      | <b>✓</b> |  |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 3                 | 3 ± 0.0003               | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003               | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 1.55947113        | 1.55947113 ± 0.0003      | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.69362235        | 2.69362235 ± 0.0003      | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 143.794998        | 143.794998 ± 0.0003      | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 50002.7813        | 50002.7813 ± 0.0003      | ~        |  |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 33134.0195        | 33134.0195 ± 0.0003      | ~        |  |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 70020.0547        | 70020.0547 ± 0.001       | <b>✓</b> |  |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 833.85498         | 833.85498 ± 0.0009765625 | ~        |  |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 1100              | 1100 ± 1                 | <b>✓</b> |  |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 69826.0703        | 69826.0703 ± 0.004       | <b>✓</b> |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.46081305        | 2.46081305 ± 0.0003      | <b>✓</b> |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003               | ~        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.26964259        | 1.26964259 ± 0.0003      | ~        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                 | 3 ± 0.0003               | <b>✓</b> |  |

| Test Step Call Trace                          |       |                                               |       |        |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|--|
| Actual Function                               | Count | Expected Function                             | Count | Result |  |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |  |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |  |

| Test Step 2.56 (Repeat Count = 1)       |                           | ✓ |
|-----------------------------------------|---------------------------|---|
| Name                                    | Input Value               |   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 50                        |   |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_LOAVERAGE         |   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                         |   |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3                         |   |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 1.57795274                |   |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 3.98539996                |   |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 3.75889993                |   |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 29.4384918                |   |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 1.19170594                |   |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 2.27125239                |   |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 3                         |   |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 1.39812922                |   |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 2.07563138                |   |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32      | 154.925003                |   |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32      | 2.25399995                |   |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32    | 36075.1289                |   |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32   | 13451.8496                |   |
| CmMtrCurr_VecuSum_Volt_M_f32            | 844.984985                |   |
| Rte_Inst_Sa_CmMtrCurr                   | tgt_Rte_Inst_Sa_CmMtrCurr |   |
| k_CurrOffNoofAvg_Cnt_u16                | 8850                      |   |
| k_MaxCurrOffMtrVel_RadpS_f32            | 11.8731699                |   |

CmMtrCurr\_Per3

2016-07-24, 12:40:56+0530



Input Value k\_MtrCurrEOLMaxOffset\_Volts\_f32 2.88271761 k\_MtrCurrEOLMinOffset\_Volts\_f32 2.64306164 k\_MtrCurrOffLoComOff\_Cnt\_u16 1150 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32.value tgt\_CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32.value 0.716357231 tgt\_CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32.value tgt\_CmMtrCurr\_Per3\_Vecu\_Volt\_f32.value 23.9801941 1.62093006e-008  $tgt\_CmMtrCurr\_Per3\_VehSpd\_Kph\_f32.value$ tgt\_CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc.value  $tgt\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32$ 56485.5195 tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32 1.20154941  $tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32$ 2.93720007 tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32 tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 1 55611205 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16$ tgt\_CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32 tgt\_CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_Vecu\_Volt\_f32 tgt\_CmMtrCurr\_Per3\_Vecu\_Volt\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_VehSpd\_Kph\_f32 tgt\_CmMtrCurr\_Per3\_VehSpd\_Kph\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc$ tgt\_CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_ShCurrCal tgt\_Pim\_ShCurrCal

| igi_rttc_mst_oa_ominitodir.i im_onodirodi         | tgt_r iiii_oilodiiodi |                           |          |
|---------------------------------------------------|-----------------------|---------------------------|----------|
| Name                                              | Actual Value          | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 51                    | 51 ± 1                    | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_LOAVERAGE     | CURROFF_LOAVERAGE         | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                     | 1                         | •        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                     | 1                         | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 1.57795274            | 1.57795274 ± 0.0003       | ✓        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 3.98539996            | 3.98539996 ± 0.0003       | ✓        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 3.75889993            | 3.75889993 ± 0.0003       | ✓        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 29.4384918            | 29.4384918 ± 0.0003       | ✓        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 4.1917057             | 4.1917057 ± 0.0003        | •        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 2.27125239            | 2.27125239 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                     | 3 ± 0.0003                | •        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 1.39812922            | 1.39812922 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.07563138            | 2.07563138 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 154.925003            | 154.925003 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 2.97035718            | 2.97035718 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 36075.1289            | 36075.1289 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 13451.8496            | 13451.8496 ± 0.001        | •        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 844.984985            | 844.984985 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 1150                  | 1150 ± 1                  | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 56485.5195            | 56485.5195 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.20154941            | 1.20154941 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.93720007            | 2.93720007 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                     | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.55611205            | 1.55611205 ± 0.0003       | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.57 (Repeat Count = 1)       |                     |
|-----------------------------------------|---------------------|
| Name                                    | Input Value         |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 51                  |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_ZEROAVERAGE |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                   |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 1                   |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 1.42709577          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 1.69485998          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 2.40540409          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 28.6460514          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 2.02315331          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 0                   |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 1.8704468           |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 3                   |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 2.06732988          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32      | 166.054993          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32      | 1.17778456          |

2016-07-24, 12:40:56+0530



| Name                                                           | Input Value                             |                |        |
|----------------------------------------------------------------|-----------------------------------------|----------------|--------|
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 10.1999998                              |                |        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 39516.9844                              |                |        |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 856.11499                               |                |        |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr               |                |        |
| k_CurrOffNoofAvg_Cnt_u16                                       | 9350                                    |                |        |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 20                                      |                |        |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 3                                       |                |        |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 2.73909378                              |                |        |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 1200                                    |                |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 3                                       |                |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 1.69000006                              |                |        |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 19                                      |                |        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 15.931344                               |                |        |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.12093002e-008                         |                |        |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                       |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 53064.2422                              |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 2.03335667                              |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.22838211                              |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1.09065461                              |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                                       |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f3 | 2              |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f3 | 2              |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16    |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32  |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32        |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32       |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc   |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                       |                |        |
| Name                                                           | Actual Value                            | Expected Value | Result |

| @C                                                | -9 · · · · · · · · · · · · · · · |                          |          |
|---------------------------------------------------|----------------------------------|--------------------------|----------|
| Name                                              | Actual Value                     | Expected Value           | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 52                               | 52 ± 1                   | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_ZEROAVERAGE              | CURROFF_ZEROAVERAGE      | ~        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                                | 1                        | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                                | 1                        | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 1.42709577                       | 1.42709577 ± 0.0003      | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 1.69485998                       | 1.69485998 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 2.40540409                       | 2.40540409 ± 0.0003      | •        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 28.6460514                       | 28.6460514 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 2.02315331                       | 2.02315331 ± 0.0003      | •        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 3                                | 3 ± 0.0003               | •        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 1.8704468                        | 1.8704468 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 3                                | 3 ± 0.0003               | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.06732988                       | 2.06732988 ± 0.0003      | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 166.054993                       | 166.054993 ± 0.0003      | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 1.17778456                       | 1.17778456 ± 0.0003      | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 11.8899994                       | 11.8900003 ± 0.0003      | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 39516.9844                       | 39516.9844 ± 0.001       | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 856.11499                        | 856.11499 ± 0.0009765625 | •        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                                | 0 ± 1                    | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 53064.2422                       | 53064.2422 ± 0.004       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.03335667                       | 2.03335667 ± 0.0003      | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.22838211                       | 2.22838211 ± 0.0003      | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.09065461                       | 1.09065461 ± 0.0003      | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                                | 3 ± 0.0003               | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | •      |

| Test Step 2.58 (Repeat Count = 1)       |                     | ✓ |
|-----------------------------------------|---------------------|---|
| Name                                    | Input Value         |   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 52                  |   |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_ZEROAVERAGE |   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                   |   |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3                   |   |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 2.43832135          |   |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 3.75889993          |   |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 3                   |   |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 16.249506           |   |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 2.15069818          |   |

CmMtrCurr\_Per3



| Name                                                           | Input Value                            |                     |          |  |
|----------------------------------------------------------------|----------------------------------------|---------------------|----------|--|
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 50000                                  |                     |          |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 1.62499225                             |                     |          |  |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 1.9485718                              |                     |          |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 2.58597875                             |                     |          |  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 177.184998                             |                     |          |  |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 3                                      |                     |          |  |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 41957.3516                             |                     |          |  |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 27235.4863                             |                     |          |  |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 867.244995                             |                     |          |  |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr              |                     |          |  |
| k_CurrOffNoofAvg_Cnt_u16                                       | 123                                    |                     |          |  |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 12.7237406                             |                     |          |  |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 2.49101973                             |                     |          |  |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 1.48035502                             |                     |          |  |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 1250                                   |                     |          |  |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 1.60549736                             |                     |          |  |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 2.17270803                             |                     |          |  |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 12                                     |                     |          |  |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 26.912426                              |                     |          |  |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.82093007e-008                        |                     |          |  |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                      |                     |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 28654.791                              |                     |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                                      |                     |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 1.52237737                             |                     |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.7247448                              |                     |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                                      |                     |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_  | 32                  |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_  | 32                  |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16   |                     |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f3: | 2                   |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32       |                     |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32      |                     |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc  |                     |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                      |                     |          |  |
| Name                                                           | Actual Value                           | Expected Value      | Result   |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 53                                     | 53 ± 1              | -        |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_ZEROAVERAGE                    | CURROFF_ZEROAVERAGE | •        |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                                      | 1                   | -        |  |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 1                                      | 1                   | •        |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 2.43832135 2.43832135 ± 0.0003         |                     |          |  |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 3.75889993 3.75889993 ± 0.0003         |                     |          |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 3                                      | 3 ± 0.0003          | •        |  |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 16.249506                              | 16.249506 ± 0.0003  | <b>✓</b> |  |

| Name                                              | Actual Value        | Expected Value            | Result   |
|---------------------------------------------------|---------------------|---------------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 53                  | 53 ± 1                    | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_ZEROAVERAGE | CURROFF_ZEROAVERAGE       | ~        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                   | 1                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                   | 1                         | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 2.43832135          | 2.43832135 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 3.75889993          | 3.75889993 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 3                   | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 16.249506           | 16.249506 ± 0.0003        | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 2.15069818          | 2.15069818 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 50001.6055          | 50001.6055 ± 0.0003       | ✓        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 1.62499225          | 1.62499225 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 1.9485718           | 1.9485718 ± 0.0003        | ✓        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.58597875          | 2.58597875 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 177.184998          | 177.184998 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 3                   | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 41959.5234          | 41959.5234 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 27235.4863          | 27235.4863 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 867.244995          | 867.244995 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                   | 0 ± 1                     | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 28654.791           | 28654.791 ± 0.004         | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3                   | 3 ± 0.0003                | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.52237737          | 1.52237737 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.7247448           | 2.7247448 ± 0.0003        | ~        |
| tat Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 | 3                   | 3 ± 0.0003                | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |

| Test Step 2.59 (Repeat Count = 1)     |                     |
|---------------------------------------|---------------------|
| Name                                  | Input Value         |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 | 53                  |
| CmMtrCurr_CurrOffState_Uls_M_enum     | CURROFF_ZEROAVERAGE |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc   | 1                   |

2016-07-24, 12:40:56+0530



| CmMtrCurr_Per3                                                 |                                  |                     | adollab |
|----------------------------------------------------------------|----------------------------------|---------------------|---------|
| Name                                                           | Input Value                      |                     |         |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 2                                |                     |         |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 2.79118037                       |                     |         |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 2.40540409                       |                     |         |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 4.52099991                       |                     |         |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 8.32323647                       |                     |         |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 2.71490192                       |                     |         |
| CmMtrCurr MtrCurr1SumZero Volt M f32                           | 265.200012                       |                     |         |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 1.80599678                       |                     |         |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                          | 2.37993598                       |                     |         |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32                        | 2.14313006                       |                     |         |
| CmMtrCurr MtrCurr2SumHi Volt M f32                             | 188.315002                       |                     |         |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 29.4384918                       |                     |         |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 44898.4609                       |                     |         |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 1339.94348                       |                     |         |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 878.375                          |                     |         |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr        |                     |         |
| k_CurrOffNoofAvg_Cnt_u16                                       | 156                              |                     |         |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 6.89798737                       |                     |         |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 3                                |                     |         |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 1.23099744                       |                     |         |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 1300                             |                     |         |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 1.11311984                       |                     |         |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 3                                |                     |         |
| tgt CmMtrCurr Per3 MtrVel MtrRadpS f32.value                   | 6                                |                     |         |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 25.0280781                       |                     |         |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.72093007e-008                  |                     |         |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                |                     |         |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 60901.1875                       |                     |         |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                                |                     |         |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                                |                     |         |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1.85061121                       |                     |         |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 2.00795436                       |                     |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_  | Volts f32           |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_  | _                   |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cn  |                     |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRad | _                   |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32 |                     |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f  |                     |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt CmMtrCurr Per3 VhSpdValid Ci |                     |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                |                     |         |
| Name                                                           | Actual Value                     | Expected Value      | Resul   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 54                               | 54 ± 1              | 11000   |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF ZEROAVERAGE              | CURROFF ZEROAVERAGE |         |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                                | 1                   |         |
| CmMtrCurr CurroffProcessFlag M enum                            | 1                                | 1                   |         |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 2.79118037                       | 2.79118037 ± 0.0003 |         |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 2.40540409                       | 2.40540409 ± 0.0003 |         |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                        | 4.52099991                       | 4.52099991 ± 0.0003 |         |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 8.32323647                       | 8.32323647 ± 0.0003 |         |
| CmMtrCurr MtrCurr1SumLo Volt M f32                             | 2.71490192                       | 2.71490192 ± 0.0003 |         |
| CmMtrCurr MtrCurr1SumZero Volt M f32                           | 266.313141                       | 266.31311 ± 0.0003  |         |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                          | 1.80599678                       | 1.80599678 ± 0.0003 |         |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                          | 2.37993598                       | 2.37993598 ± 0.0003 |         |

| CHIMITOUT INTO CUT TO ISELED_VOIL_IM_132          | 2.40040409 | 2.40040403 ± 0.0000    | • |
|---------------------------------------------------|------------|------------------------|---|
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 4.52099991 | 4.52099991 ± 0.0003    | ~ |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 8.32323647 | 8.32323647 ± 0.0003    | ~ |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 2.71490192 | 2.71490192 ± 0.0003    | ~ |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 266.313141 | 266.31311 ± 0.0003     | • |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 1.80599678 | 1.80599678 ± 0.0003    | ~ |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 2.37993598 | 2.37993598 ± 0.0003    | • |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.14313006 | 2.14313006 ± 0.0003    | ~ |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 188.315002 | 188.315002 ± 0.0003    | ~ |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 29.4384918 | 29.4384918 ± 0.0003    | ~ |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 44901.4609 | 44901.4609 ± 0.0003    | ~ |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 1339.94348 | 1339.94348 ± 0.001     | ~ |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 878.375    | 878.375 ± 0.0009765625 | ~ |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0          | 0 ± 1                  | ~ |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 60901.1875 | 60901.1875 ± 0.004     | • |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3          | 3 ± 0.0003             | ~ |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3          | 3 ± 0.0003             | ~ |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.85061121 | 1.85061121 ± 0.0003    | ~ |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.00795436 | 2.00795436 ± 0.0003    | ~ |

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |





| Test Step 2.60 (Repeat Count = 1)                                                                                      |                                                                            |                                                 | <b>✓</b> |
|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------|----------|
| Name                                                                                                                   | Input Value                                                                |                                                 |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                  | 54                                                                         |                                                 |          |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                      | CURROFF_ZEROAVERAGE                                                        |                                                 |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                    | 1                                                                          |                                                 |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                    | 1                                                                          |                                                 |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                  | 3                                                                          |                                                 |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                  | 3                                                                          |                                                 |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                | 4.099999                                                                   |                                                 |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                  | 30.7622643<br>1.74427593                                                   |                                                 |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                   | 3                                                                          |                                                 |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                  | 1.24155974                                                                 |                                                 |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                  | 1.63570929                                                                 |                                                 |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                | 2.94488144                                                                 |                                                 |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                     | 199.445007                                                                 |                                                 |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                     | 28.6460514                                                                 |                                                 |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                                   | 0                                                                          |                                                 |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                  | 22243.6348                                                                 |                                                 |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                                                                           | 889.505005                                                                 |                                                 |          |
| Rte_Inst_Sa_CmMtrCurr k_CurrOffNoofAvg_Cnt_u16                                                                         | tgt_Rte_Inst_Sa_CmMtrCurr                                                  |                                                 |          |
| k MaxCurrOffMtrVel RadpS f32                                                                                           | 17.267849                                                                  |                                                 |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                                                                        | 2.14811063                                                                 |                                                 |          |
| k_MtrCurrEOLMinOffset_Volts_f32                                                                                        | 1.8682915                                                                  |                                                 |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                                                                           | 1350                                                                       |                                                 |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                                                                         | 0.641766071                                                                |                                                 |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                                                                         | 2.16365433                                                                 |                                                 |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                                                                           | 17                                                                         |                                                 |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                                                                 | 16.816925                                                                  |                                                 |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value<br>tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                                 | 1.12093002e-008                                                            |                                                 |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                       | 42107.3086                                                                 |                                                 |          |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                                                                        | 2.37534189                                                                 |                                                 |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                                                        | 1.29947114                                                                 |                                                 |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                                      | 1.20110023                                                                 |                                                 |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                                                      | 1.85809946                                                                 |                                                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32                                                         | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_                                      | f32                                             |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32                                                         | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_                                      | f32                                             |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16                                                             | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16                                       |                                                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32<br>tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f3:<br>tgt_CmMtrCurr_Per3_Vecu_Volt_f32 | 2                                               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32                                                                | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32                                          |                                                 |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VhSpdValid Cnt Igc                                                            | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc                                      |                                                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                                                                | tgt_Pim_ShCurrCal                                                          |                                                 |          |
| Name                                                                                                                   | Actual Value                                                               | Expected Value                                  | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                  | 55                                                                         | 55 ± 1                                          | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                      | CURROFF_ZEROAVERAGE                                                        | CURROFF_ZEROAVERAGE                             | •        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                    | 1                                                                          | 1                                               | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                    | 1                                                                          | 1                                               | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                  | 3                                                                          | 3 ± 0.0003                                      | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                  | 3<br>4.0999999                                                             | 3 ± 0.0003                                      | <b>*</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr MtrCurr1SumHi Volt M f32                                             | 30.7622643                                                                 | 4.0999999 ± 0.0003<br>30.7622643 ± 0.0003       |          |
| CmMtrCurr MtrCurr1SumLo Volt M f32                                                                                     | 1.74427593                                                                 | 1.74427593 ± 0.0003                             | -        |
| CmMtrCurr MtrCurr1SumZero Volt M f32                                                                                   | 3.64176607                                                                 | 3.64176607 ± 0.0003                             | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                  | 1.24155974                                                                 | 1.24155974 ± 0.0003                             | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                  | 1.63570929                                                                 | 1.63570929 ± 0.0003                             | •        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                | 2.94488144                                                                 | 2.94488144 ± 0.0003                             | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                     | 199.445007                                                                 | 199.445007 ± 0.0003                             | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                     | 28.6460514                                                                 | 28.6460514 ± 0.0003                             | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                                   | 2.16365433                                                                 | 2.16365433 ± 0.0003                             | <b>V</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr VecuSum Volt M f32                                                     | 22243.6348<br>889.505005                                                   | 22243.6348 ± 0.001<br>889.505005 ± 0.0009765625 | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                                                                             | 0                                                                          | 0 ± 1                                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                       | 42107.3086                                                                 | 42107.3086 ± 0.004                              | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                                                        | 2.37534189                                                                 | 2.37534189 ± 0.0003                             | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                                                        | 1.29947114                                                                 | 1.29947114 ± 0.0003                             | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                                      | 1.20110023                                                                 | 1.20110023 ± 0.0003                             | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                                                      | 1.85809946                                                                 | 1.85809946 ± 0.0003                             | ~        |



| Test Step Call Trace                          |       |                                               |       |        |  |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|--|--|
| Actual Function                               | Count | Expected Function                             | Count | Result |  |  |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |  |  |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | •      |  |  |

| Test Step 2.61 (Repeat Count = 1)                                       |                                      |                     | <b>✓</b> |
|-------------------------------------------------------------------------|--------------------------------------|---------------------|----------|
| Name                                                                    | Input Value                          |                     |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                   | 55                                   |                     |          |
| CmMtrCurr CurrOffState Uls M enum                                       | CURROFF ZEROAVERAGE                  |                     |          |
| CmMtrCurr CurrOffTrimFlag Cnt M lgc                                     | 1                                    |                     |          |
| CmMtrCurr CurroffProcessFlag M enum                                     | 0                                    |                     |          |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                                   | 3                                    |                     |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                   | 4.52099991                           |                     |          |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                                 | 4.19999981                           |                     |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                      | 26.5270271                           |                     |          |
| CmMtrCurr MtrCurr1SumLo Volt M f32                                      | 3                                    |                     |          |
| CmMtrCurr MtrCurr1SumZero Volt M f32                                    | 3                                    |                     |          |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                                   | 2.06164098                           |                     |          |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                                   | 1.28129196                           |                     |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                 | 2.68251061                           |                     |          |
| CmMtrCurr MtrCurr2SumHi Volt M f32                                      | 2.39488578                           |                     |          |
| CmMtrCurr MtrCurr2SumLo Volt M f32                                      | 16.249506                            |                     |          |
| CmMtrCurr MtrCurr2SumZero Volt M f32                                    | 50000                                |                     |          |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                                   | 64880.5586                           |                     |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                            | 900.63501                            |                     |          |
| Rte Inst Sa CmMtrCurr                                                   | tgt_Rte_Inst_Sa_CmMtrCurr            |                     |          |
| k_CurrOffNoofAvg_Cnt_u16                                                | 125                                  |                     |          |
| k MaxCurrOffMtrVel RadpS f32                                            | 8.85937309                           |                     |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                         | 1.42353129                           |                     |          |
| k MtrCurrEOLMinOffset Volts f32                                         | 3                                    |                     |          |
| k MtrCurrOffLoComOff Cnt u16                                            | 1400                                 |                     |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                          | 0.651286364                          |                     |          |
| tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32.value                          | 1.71013331                           |                     |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                            | 8                                    |                     |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                  | 7.10547543                           |                     |          |
| tgt CmMtrCurr Per3 VehSpd Kph f32.value                                 | 1.82093007e-008                      |                     |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                             | 1                                    |                     |          |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32                        | 79655.7031                           |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                         | 2.87794566                           |                     |          |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                         | 1.16573894                           |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                       | 1.52786815                           |                     |          |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32                       | 3                                    |                     |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr1 Volts f32          | tgt CmMtrCurr Per3 ADCMtrCurr1 Volts | f32                 |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32          | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts |                     |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16              | tgt CmMtrCurr Per3 ComOffset Cnt u10 |                     |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32            | tgt CmMtrCurr Per3 MtrVel MtrRadpS f |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32                  | tgt_CmMtrCurr_Per3_Vecu_Volt_f32     | <u></u>             |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32                 | tgt CmMtrCurr Per3 VehSpd Kph f32    |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc             | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lg | c                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                 | tgt_Pim_ShCurrCal                    |                     |          |
| Name                                                                    | Actual Value                         | Expected Value      | Result   |
|                                                                         | 56                                   | 56 ± 1              | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr CurrOffState Uls M enum | CURROFF_ZEROAVERAGE                  | CURROFF ZEROAVERAGE |          |
|                                                                         | 1                                    | 1                   |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                     | 1                                    | 1                   |          |

| igi_nte_inst_sa_ciniviticun.rim_shourical  | tgt_Filit_Silouitoai |                          |          |
|--------------------------------------------|----------------------|--------------------------|----------|
| Name                                       | Actual Value         | Expected Value           | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16      | 56                   | 56 ± 1                   | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum          | CURROFF_ZEROAVERAGE  | CURROFF_ZEROAVERAGE      | ~        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc        | 1                    | 1                        | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum        | 1                    | 1                        | •        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32      | 3                    | 3 ± 0.0003               | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32      | 4.52099991           | 4.52099991 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32    | 4.19999981           | 4.19999981 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32         | 26.5270271           | 26.5270271 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32         | 3                    | 3 ± 0.0003               | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32       | 3.65128636           | 3.65128636 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32      | 2.06164098           | 2.06164098 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32      | 1.28129196           | 1.28129196 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32    | 2.68251061           | 2.68251061 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32         | 2.39488578           | 2.39488578 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         | 16.249506            | 16.249506 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32       | 50001.7109           | 50001.7109 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32      | 64880.5586           | 64880.5586 ± 0.001       | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32               | 900.63501            | 900.63501 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value | 0                    | 0 ± 1                    | ~        |





| Name                                              | Actual Value | Expected Value      | Result   |
|---------------------------------------------------|--------------|---------------------|----------|
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 79655.7031   | 79655.7031 ± 0.004  | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.87794566   | 2.87794566 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.16573894   | 1.16573894 ± 0.0003 | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.52786815   | 1.52786815 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003          | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |        |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|--|
| Actual Function                               | Count | Expected Function                             | Count | Result |  |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |  |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |  |

| Test Step 2.62 (Repeat Count = 1)                              |                            |                | ✓      |
|----------------------------------------------------------------|----------------------------|----------------|--------|
| Name                                                           | Input Value                |                |        |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 56                         |                |        |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_ZEROAVERAGE        |                |        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                          |                |        |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 0                          |                |        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 3                          |                |        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 4.0999999                  |                |        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 4.30000019                 |                |        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 23.799696                  |                |        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 2.25029397                 |                |        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 2.99754834                 |                |        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 2.03358698                 |                |        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 3                          |                |        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 1.35347366                 |                |        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 1.56559098                 |                |        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 8.32323647                 |                |        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 6587.1001                  |                |        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 55931.2383                 |                |        |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 911.765015                 |                |        |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr  |                |        |
| k_CurrOffNoofAvg_Cnt_u16                                       | 74                         |                |        |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 9.48729229                 |                |        |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 2.20328736                 |                |        |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 2.53037405                 |                |        |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 1450                       |                |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 2.58634853                 |                |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 2.03627253                 |                |        |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 9                          |                |        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 16.0870552                 |                |        |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.72093007e-008            |                |        |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                          |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 18510.1816                 |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                          |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.38779759                 |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 3                          |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1.83586252                 |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMt   |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMt   |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOff  |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_ |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_V  | _              |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpc  | - · -          |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpd\  | /alid_Cnt_lgc  |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal          | <u> </u>       |        |
| Name                                                           | Actual Value               | Expected Value | Result |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 57                         | 57 ± 1         | _      |

| Name                                    | Actual Value        | Expected Value      | Result   |
|-----------------------------------------|---------------------|---------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 57                  | 57 ± 1              | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_ZEROAVERAGE | CURROFF_ZEROAVERAGE | ✓        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                   | 1                   | ✓        |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 1                   | 1                   | ✓        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 3                   | 3 ± 0.0003          | ✓        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 4.0999999           | 4.0999999 ± 0.0003  | ✓        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 4.30000019          | 4.30000019 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 23.799696           | 23.799696 ± 0.0003  | ✓        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 2.25029397          | 2.25029397 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 5.58389664          | 5.58389664 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 2.03358698          | 2.03358698 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 3                   | 3 ± 0.0003          | ✓        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 1.35347366          | 1.35347366 ± 0.0003 | <b>✓</b> |





| Name                                              | Actual Value | Expected Value            | Result   |
|---------------------------------------------------|--------------|---------------------------|----------|
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 1.56559098   | 1.56559098 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 8.32323647   | 8.32323647 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 6589.13623   | 6589.13623 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 55931.2383   | 55931.2383 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 911.765015   | 911.765015 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0            | 0 ± 1                     | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 18510.1816   | 18510.1816 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3            | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.38779759   | 2.38779759 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.83586252   | 1.83586252 ± 0.0003       | ✓        |

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |

| Name                                                          | Input Value                      |                 |      |
|---------------------------------------------------------------|----------------------------------|-----------------|------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                         | 57                               |                 |      |
| CmMtrCurr_CurrOffState_Uls_M_enum                             | CURROFF_CALC                     |                 |      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                           | 1                                |                 |      |
| CmMtrCurr_CurroffProcessFlag_M_enum                           | 1                                |                 |      |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                         | 3                                |                 |      |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                         | 4.19999981                       |                 |      |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                       | 4.4000001                        |                 |      |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                            | 15.8433237                       |                 |      |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                            | 1.85141718                       |                 |      |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                          | 2.6369369                        |                 |      |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                         | 1.38367915                       |                 |      |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                         | 3                                |                 |      |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                       | 1.7515341                        |                 |      |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                            | 2.69245267                       |                 |      |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                            | 30.7622643                       |                 |      |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                          | 2.93037891                       |                 |      |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                         | 20898.541                        |                 |      |
| CmMtrCurr_VecuSum_Volt_M_f32                                  | 922.89502                        |                 |      |
| Rte_Inst_Sa_CmMtrCurr                                         | tgt_Rte_Inst_Sa_CmMtrCurr        |                 |      |
| k_CurrOffNoofAvg_Cnt_u16                                      | 25                               |                 |      |
| <pre>c_MaxCurrOffMtrVel_RadpS_f32</pre>                       | 11.6127138                       |                 |      |
| <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>               | 1.60846543                       |                 |      |
| _MtrCurrEOLMinOffset_Volts_f32                                | 1                                |                 |      |
| <pre>&lt;_MtrCurrOffLoComOff_Cnt_u16</pre>                    | 1500                             |                 |      |
| gt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 1.64029288                       |                 |      |
| gt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 0.911126375                      |                 |      |
| gt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 11                               |                 |      |
| gt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 14.1631308                       |                 |      |
| gt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.82093007e-008                  |                 |      |
| gt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                |                 |      |
| gt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 62447.9336                       |                 |      |
| gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 1.77314484                       |                 |      |
| gt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.8215363                        |                 |      |
| gt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1.66199911                       |                 |      |
| gt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1.22172582                       |                 |      |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr0       | Curr1_Volts_f32 |      |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr0       | Curr2_Volts_f32 |      |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffs       | et_Cnt_u16      |      |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_M      | /trRadpS_f32    |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32        | tgt_CmMtrCurr_Per3_Vecu_Volt_f32 |                 |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32       | tgt_CmMtrCurr_Per3_VehSpd_       | _Kph_f32        |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc   | tgt_CmMtrCurr_Per3_VhSpdVa       | alid_Cnt_lgc    |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                       | tgt_Pim_ShCurrCal                |                 |      |
| Name                                                          | Actual Value                     | Expected Value  | Resu |
| CmMtrCurr CurrOffAvgCounter Cnt M u16                         | 57                               | 57 + 1          | ,    |

| Name                                    | Actual Value      | Expected Value      | Result |
|-----------------------------------------|-------------------|---------------------|--------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 57                | 57 ± 1              | ~      |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_INTIALISE | CURROFF_INTIALISE   | ~      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 0                 | 0                   | ~      |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3                 | 3                   | ~      |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 3                 | 3 ± 0.0003          | ~      |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 4.19999981        | 4.19999981 ± 0.0003 | ~      |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 4.4000001         | 4.4000001 ± 0.0003  | ~      |

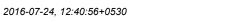




| Name                                              | Actual Value | Expected Value           | Result   |
|---------------------------------------------------|--------------|--------------------------|----------|
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 15.8433237   | 15.8433237 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 1.85141718   | 1.85141718 ± 0.0003      | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 2.6369369    | 2.6369369 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 1.38367915   | 1.38367915 ± 0.0003      | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 3            | 3 ± 0.0003               | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 1.7515341    | 1.7515341 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 2.69245267   | 2.69245267 ± 0.0003      | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 30.7622643   | 30.7622643 ± 0.0003      | •        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 2.93037891   | 2.93037891 ± 0.0003      | •        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 20898.541    | 20898.541 ± 0.001        | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 922.89502    | 922.89502 ± 0.0009765625 | •        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0            | 0 ± 1                    | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 62447.9336   | 62447.9336 ± 0.004       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.77314484   | 1.77314484 ± 0.0003      | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.8215363    | 2.8215363 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.66199911   | 1.66199911 ± 0.0003      | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.22172582   | 1.22172582 ± 0.0003      | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~        |

| T (0) 00(D (0) (0)                                             |                             |                 |                |        |
|----------------------------------------------------------------|-----------------------------|-----------------|----------------|--------|
| Test Step 2.64 (Repeat Count = 1)                              |                             |                 |                | ~      |
| Name                                                           | Input Value                 |                 |                |        |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 58                          |                 |                |        |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_CALC                |                 |                |        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                           |                 |                |        |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 1                           |                 |                |        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 3                           |                 |                |        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 4.30000019                  |                 |                |        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 4.5                         |                 |                |        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 5.44003773                  |                 |                |        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 3                           |                 |                |        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 2.27791405                  |                 |                |        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 3                           |                 |                |        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 2.84746766                  |                 |                |        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 2.13700366                  |                 |                |        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 1.70743656                  |                 |                |        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 26.5270271                  |                 |                |        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 3                           |                 |                |        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 66635.5391                  |                 |                |        |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 934.025024                  |                 |                |        |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr   |                 |                |        |
| k_CurrOffNoofAvg_Cnt_u16                                       | 236                         |                 |                |        |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 11.1014509                  |                 |                |        |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 2.47209358                  |                 |                |        |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 3                           |                 |                |        |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 987                         |                 |                |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 1.65106726                  |                 |                |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 2.47675037                  |                 |                |        |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 11                          |                 |                |        |
| tgt CmMtrCurr Per3 Vecu Volt f32.value                         | 24.1849651                  |                 |                |        |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.72093007e-008             |                 |                |        |
| tgt CmMtrCurr Per3 VhSpdValid Cnt Igc.value                    | 1                           |                 |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 64127.5586                  |                 |                |        |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                | 2.42812848                  |                 |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.53307629                  |                 |                |        |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32              | 3                           |                 |                |        |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32              | 1.34935308                  |                 |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrC  | Curr1 Volts f32 |                |        |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32 | tgt CmMtrCurr Per3 ADCMtrC  |                 |                |        |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16     | tgt CmMtrCurr Per3 ComOffse |                 |                |        |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32   | tgt CmMtrCurr Per3 MtrVel M |                 |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Vol | · -             |                |        |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32        | tgt CmMtrCurr Per3 VehSpd I | _               |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CmMtrCurr_Per3_VhSpdVa  |                 |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal           |                 |                |        |
| Name                                                           | Actual Value                |                 | Expected Value | Result |
|                                                                | 58                          |                 | 58 ± 1         | Result |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 50                          | ;               | J0 I I         | _      |





| Name                                              | Actual Value      | Expected Value            | Result   |
|---------------------------------------------------|-------------------|---------------------------|----------|
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_INTIALISE | CURROFF_INTIALISE         | ~        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 0                 | 0                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 3                 | 3                         | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 4.30000019        | 4.30000019 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 4.5               | 4.5 ± 0.0003              | •        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 5.44003773        | 5.44003773 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 3                 | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 2.27791405        | 2.27791405 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 2.84746766        | 2.84746766 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.13700366        | 2.13700366 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 1.70743656        | 1.70743656 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 26.5270271        | 26.5270271 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 3                 | 3 ± 0.0003                | •        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 66635.5391        | 66635.5391 ± 0.001        | •        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 934.025024        | 934.025024 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                 | 0 ± 1                     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 64127.5586        | 64127.5586 ± 0.004        | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.42812848        | 2.42812848 ± 0.0003       | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.53307629        | 2.53307629 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                 | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.34935308        | 1.34935308 ± 0.0003       | ~        |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.65 (Repeat Count = 1)                              |                                          |
|----------------------------------------------------------------|------------------------------------------|
| Name                                                           | Input Value                              |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 59                                       |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_CALC                             |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                                        |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 1                                        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 1.24453545                               |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 4.4000001                                |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 4.5999999                                |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 2.86287165                               |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 3                                        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 2.24005342                               |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 2.97318363                               |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 2.54518676                               |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 2.804142                                 |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 2.5382781                                |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 23.799696                                |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 1.72795427                               |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 42507.0195                               |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 945.155029                               |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr                |
| k_CurrOffNoofAvg_Cnt_u16                                       | 14                                       |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 4.04353189                               |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 1.7062211                                |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 2.0999999                                |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 654                                      |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 2.85092187                               |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 1.95932174                               |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 4                                        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 13.4317789                               |
| tgt CmMtrCurr Per3 VehSpd Kph f32.value                        | 1.62093006e-008                          |
| tgt CmMtrCurr Per3 VhSpdValid Cnt lgc.value                    | 1                                        |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32               | 33614.7266                               |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                | 2.36289644                               |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                | 2.42268705                               |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32              | 1.71854186                               |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32              | 2.17331958                               |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32 | tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32 |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16     | tgt CmMtrCurr Per3 ComOffset Cnt u16     |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32   | tgt CmMtrCurr Per3 MtrVel MtrRadpS f32   |





| Name                                                        | Input Value                    |                                       |          |  |
|-------------------------------------------------------------|--------------------------------|---------------------------------------|----------|--|
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32      | tgt_CmMtrCurr_Per3_Vecu_Volt_f | 32                                    |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32     | tgt_CmMtrCurr_Per3_VehSpd_Kpl  | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32     |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc | tgt_CmMtrCurr_Per3_VhSpdValid_ | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                     | tgt_Pim_ShCurrCal              |                                       |          |  |
| Name                                                        | Actual Value                   | Expected Value                        | Result   |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                       | 59                             | 59 ± 1                                | ~        |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                           | CURROFF_INTIALISE              | CURROFF_INTIALISE                     | <b>✓</b> |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                         | 0                              | 0                                     | <b>✓</b> |  |
| CmMtrCurr_CurroffProcessFlag_M_enum                         | 3                              | 3                                     | •        |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                       | 1.24453545                     | 1.24453545 ± 0.0003                   | <b>~</b> |  |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                       | 4.4000001                      | 4.4000001 ± 0.0003                    | <b>~</b> |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                     | 4.5999999                      | 4.5999999 ± 0.0003                    | •        |  |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                          | 2.86287165                     | 2.86287165 ± 0.0003                   | <b>✓</b> |  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                          | 3                              | 3 ± 0.0003                            | ~        |  |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                        | 2.24005342                     | 2.24005342 ± 0.0003                   | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                       | 2.97318363                     | 2.97318363 ± 0.0003                   | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                       | 2.54518676                     | 2.54518676 ± 0.0003                   | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                     | 2.804142                       | 2.804142 ± 0.0003                     | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                          | 2.5382781                      | 2.5382781 ± 0.0003                    | <b>~</b> |  |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                          | 23.799696                      | 23.799696 ± 0.0003                    | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                        | 1.72795427                     | 1.72795427 ± 0.0003                   | <b>~</b> |  |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                       | 42507.0195                     | 42507.0195 ± 0.001                    | <b>✓</b> |  |
| CmMtrCurr_VecuSum_Volt_M_f32                                | 945.155029                     | 945.155029 ± 0.0009765625             | <b>✓</b> |  |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                  | 0                              | 0 ± 1                                 | <b>✓</b> |  |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32            | 33614.7266                     | 33614.7266 ± 0.004                    | ~        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32             | 2.36289644                     | 2.36289644 ± 0.0003                   | ~        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32             | 2.42268705                     | 2.42268705 ± 0.0003                   | ~        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32           | 1.71854186                     | 1.71854186 ± 0.0003                   | ~        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32           | 2.17331958                     | 2.17331958 ± 0.0003                   | <b>✓</b> |  |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.66 (Repeat Count = 1)                | Invest Walter             |
|--------------------------------------------------|---------------------------|
| Name                                             | Input Value               |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16            | 60                        |
| CmMtrCurr_CurrOffState_Uls_M_enum                | CURROFF_CALC              |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc              | 1                         |
| CmMtrCurr_CurroffProcessFlag_M_enum              | 2                         |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32            | 2.81754565                |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32            | 4.5                       |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32          | 4.69999981                |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32               | 2.11536908                |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32               | 12546.25                  |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32             | 1.01092339                |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32            | 3                         |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32            | 1.17914116                |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32          | 2.64458537                |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32               | 3                         |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32               | 15.8433237                |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32             | 3                         |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32            | 50648.5977                |
| CmMtrCurr_VecuSum_Volt_M_f32                     | 956.284973                |
| Rte_Inst_Sa_CmMtrCurr                            | tgt_Rte_Inst_Sa_CmMtrCurr |
| k_CurrOffNoofAvg_Cnt_u16                         | 258                       |
| k_MaxCurrOffMtrVel_RadpS_f32                     | 13.6347666                |
| k_MtrCurrEOLMaxOffset_Volts_f32                  | 1                         |
| k_MtrCurrEOLMinOffset_Volts_f32                  | 1.29968858                |
| k_MtrCurrOffLoComOff_Cnt_u16                     | 987                       |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value   | 1.30482483                |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value   | 2.72327757                |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value     | 13                        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value           | 26.566885                 |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value          | 1.72093007e-008           |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value      | 1                         |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 | 36573.0195                |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  | 1.17193532                |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32  | 2.49366164                |

CmMtrCurr\_MtrCurr2SumZero\_Volt\_M\_f32

CmMtrCurr\_MtrCurrValCmd\_VoltCnt\_M\_f32

tgt\_CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16.value

 $tgt\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32$ 

tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32

tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32 tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32

 $tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32$ 

CmMtrCurr\_VecuSum\_Volt\_M\_f32





| Name                                                           | Input Value                      |                     |          |  |  |
|----------------------------------------------------------------|----------------------------------|---------------------|----------|--|--|
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1.44606352                       |                     |          |  |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1.89337552                       | 1.89337552          |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_\ | Volts_f32           |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_\ | Volts_f32           |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt | t_u16               |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRad | pS_f32              |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32 |                     |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f  | 32                  |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cr | nt_lgc              |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                |                     |          |  |  |
| Name                                                           | Actual Value                     | Expected Value      | Result   |  |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 60                               | 60 ± 1              | ~        |  |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE                | CURROFF_INTIALISE   | ~        |  |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 0                                | 0                   | ~        |  |  |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 3                                | 3                   | <b>✓</b> |  |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 2.81754565                       | 2.81754565 ± 0.0003 | <b>✓</b> |  |  |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 4.5                              | 4.5 ± 0.0003        | <b>✓</b> |  |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 4.69999981                       | 4.69999981 ± 0.0003 | <b>✓</b> |  |  |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 2.11536908                       | 2.11536908 ± 0.0003 | <b>✓</b> |  |  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 12546.25                         | 12546.25 ± 0.0003   | ~        |  |  |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 1.01092339                       | 1.01092339 ± 0.0003 | <b>✓</b> |  |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 3                                | 3 ± 0.0003          | <b>✓</b> |  |  |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 1.17914116                       | 1.17914116 ± 0.0003 | ~        |  |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 2.64458537                       | 2.64458537 ± 0.0003 | ~        |  |  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 3                                | 3 ± 0.0003          | <b>✓</b> |  |  |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 15.8433237                       | 15.8433237 ± 0.0003 | ✓        |  |  |
|                                                                |                                  |                     |          |  |  |

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | •      |

50648.5977

956.284973

36573.0195

1.17193532

2.49366164

1.44606352

1.89337552

0

3 ± 0.0003

0 ± 1

50648.5977 ± 0.001 956.284973 ± 0.0009765625

36573.0195 ± 0.004

1.17193532 ± 0.0003

2.49366164 ± 0.0003

1.44606352 ± 0.0003

1.89337552 ± 0.0003

| Test Step 2.67 (Repeat Count = 1)              | <b>✓</b>                  |
|------------------------------------------------|---------------------------|
| Name                                           | Input Value               |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16          | 61                        |
| CmMtrCurr_CurrOffState_Uls_M_enum              | CURROFF_CALC              |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc            | 1                         |
| CmMtrCurr_CurroffProcessFlag_M_enum            | 0                         |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32          | 3                         |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32          | 4.599999                  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32        | 4.80000019                |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32             | 3                         |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32             | 15487.3604                |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32           | 1.78895056                |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32          | 3                         |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32          | 3                         |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32        | 2.66018128                |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32             | 1.16022956                |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32             | 5.44003773                |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32           | 3                         |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32          | 33953.457                 |
| CmMtrCurr_VecuSum_Volt_M_f32                   | 967.414978                |
| Rte_Inst_Sa_CmMtrCurr                          | tgt_Rte_Inst_Sa_CmMtrCurr |
| k_CurrOffNoofAvg_Cnt_u16                       | 369                       |
| k_MaxCurrOffMtrVel_RadpS_f32                   | 3.40498996                |
| k_MtrCurrEOLMaxOffset_Volts_f32                | 3                         |
| k_MtrCurrEOLMinOffset_Volts_f32                | 1.20024276                |
| k_MtrCurrOffLoComOff_Cnt_u16                   | 587                       |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value | 2.53271556                |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value | 3                         |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value   | 3                         |

CmMtrCurr\_Per3



| Name                                                           | Input Value                              |
|----------------------------------------------------------------|------------------------------------------|
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 9.09741783                               |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.82093007e-008                          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 68435.9531                               |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 1.96729159                               |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                                        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.37171364                               |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 2.71984124                               |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16     |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                        |
|                                                                |                                          |

| tgt_Rte_inst_Sa_ChiwitCurt.Plin_ShCurtCal         | tgt_Pim_Shcurroai |                           |        |
|---------------------------------------------------|-------------------|---------------------------|--------|
| Name                                              | Actual Value      | Expected Value            | Result |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 61                | 61 ± 1                    | ~      |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_INTIALISE | CURROFF_INTIALISE         | ~      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 0                 | 0                         | ~      |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 3                 | 3                         | ~      |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | ~      |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 4.5999999         | 4.5999999 ± 0.0003        | ~      |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 4.80000019        | 4.80000019 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 3                 | 3 ± 0.0003                | ~      |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 15487.3604        | 15487.3604 ± 0.0003       | -      |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 1.78895056        | 1.78895056 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | ~      |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 3                 | 3 ± 0.0003                | ~      |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.66018128        | 2.66018128 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 1.16022956        | 1.16022956 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 5.44003773        | 5.44003773 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 3                 | 3 ± 0.0003                | ~      |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 33953.457         | 33953.457 ± 0.001         | ~      |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 967.414978        | 967.414978 ± 0.0009765625 | ~      |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                 | 0 ± 1                     | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 68435.9531        | 68435.9531 ± 0.004        | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.96729159        | 1.96729159 ± 0.0003       | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003                | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.37171364        | 2.37171364 ± 0.0003       | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.71984124        | 2.71984124 ± 0.0003       | ~      |
|                                                   |                   |                           |        |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.68 (Repeat Count = 1)       |                           | <b>✓</b> |
|-----------------------------------------|---------------------------|----------|
| Name                                    | Input Value               |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 62                        |          |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_CALC              |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                         |          |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 1                         |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 2.26628852                |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 4.69999981                |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 2.92550302                |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 3                         |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 18428.4707                |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 1.99545753                |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 2.509166                  |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 2.38954449                |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 1.78107488                |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32      | 2.66323638                |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32      | 2.86287165                |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32    | 1.20921946                |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32   | 55850.0508                |          |
| CmMtrCurr_VecuSum_Volt_M_f32            | 978.544983                |          |
| Rte_Inst_Sa_CmMtrCurr                   | tgt_Rte_Inst_Sa_CmMtrCurr |          |
| k_CurrOffNoofAvg_Cnt_u16                | 147                       |          |
| k_MaxCurrOffMtrVel_RadpS_f32            | 15.0749359                |          |

2016-07-24, 12:40:56+0530



| Input Value                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2.0999999                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2.17881703                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 589                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 0.830244541                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1.48206139                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 15                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 21.0107632                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1.72093007e-008                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 45636.1367                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1.72630322                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 3                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2.08261728                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1.59304428                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| tgt CmMtrCurr Per3 ADCMtrCurr                                                                                                                              | 1 Volts f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| tgt CmMtrCurr Per3 ADCMtrCurr                                                                                                                              | 2 Volts f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                            | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| tgt CmMtrCurr Per3 VehSpd Kph                                                                                                                              | n f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| tgt CmMtrCurr Per3 VhSpdValid                                                                                                                              | Cnt Iqc                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                            | Expected Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                            | · · · · · · · · · · · · · · · · · · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| -                                                                                                                                                          | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 3                                                                                                                                                          | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.69999981                                                                                                                                                 | 4.69999981 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>✓</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 4.69999981                                                                                                                                                 | 4.69999981 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 4.69999981<br>2.92550302                                                                                                                                   | 4.69999981 ± 0.0003<br>2.92550302 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.69999981<br>2.92550302<br>3                                                                                                                              | 4.69999981 ± 0.0003<br>2.92550302 ± 0.0003<br>3 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 4.69999981<br>2.92550302<br>3<br>18428.4707                                                                                                                | 4.6999981 ± 0.0003<br>2.92550302 ± 0.0003<br>3 ± 0.0003<br>18428.4707 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                       | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 4.69999981<br>2.92550302<br>3<br>18428.4707<br>1.99545753                                                                                                  | 4.6999981 ± 0.0003<br>2.92550302 ± 0.0003<br>3 ± 0.0003<br>18428.4707 ± 0.0003<br>1.99545753 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.69999981<br>2.92550302<br>3<br>18428.4707<br>1.99545753<br>2.509166                                                                                      | $4.69999981 \pm 0.0003$ $2.92550302 \pm 0.0003$ $3 \pm 0.0003$ $18428.4707 \pm 0.0003$ $1.99545753 \pm 0.0003$ $2.509166 \pm 0.0003$                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.69999981<br>2.92550302<br>3<br>18428.4707<br>1.99545753<br>2.509166<br>2.38954449                                                                        | $4.69999981 \pm 0.0003$ $2.92550302 \pm 0.0003$ $3 \pm 0.0003$ $18428.4707 \pm 0.0003$ $1.99545753 \pm 0.0003$ $2.509166 \pm 0.0003$ $2.38954449 \pm 0.0003$                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.6999981<br>2.92550302<br>3<br>18428.4707<br>1.99545753<br>2.509166<br>2.38954449<br>1.78107488                                                           | $4.69999981 \pm 0.0003$ $2.92550302 \pm 0.0003$ $3 \pm 0.0003$ $18428.4707 \pm 0.0003$ $1.99545753 \pm 0.0003$ $2.509166 \pm 0.0003$ $2.38954449 \pm 0.0003$ $1.78107488 \pm 0.0003$                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.6999981<br>2.92550302<br>3<br>18428.4707<br>1.99545753<br>2.509166<br>2.38954449<br>1.78107488<br>2.66323638                                             | $4.69999981 \pm 0.0003$ $2.92550302 \pm 0.0003$ $3 \pm 0.0003$ $18428.4707 \pm 0.0003$ $1.99545753 \pm 0.0003$ $2.509166 \pm 0.0003$ $2.38954449 \pm 0.0003$ $1.78107488 \pm 0.0003$ $2.66323638 \pm 0.0003$                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.6999981<br>2.92550302<br>3<br>18428.4707<br>1.99545753<br>2.509166<br>2.38954449<br>1.78107488<br>2.66323638<br>2.86287165                               | 4.6999981 ± 0.0003<br>2.92550302 ± 0.0003<br>3 ± 0.0003<br>18428.4707 ± 0.0003<br>1.99545753 ± 0.0003<br>2.509166 ± 0.0003<br>2.38954449 ± 0.0003<br>1.78107488 ± 0.0003<br>2.66323638 ± 0.0003<br>2.86287165 ± 0.0003                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.6999981 2.92550302 3 18428.4707 1.99545753 2.509166 2.38954449 1.78107488 2.66323638 2.86287165 1.20921946                                               | 4.6999981 ± 0.0003<br>2.92550302 ± 0.0003<br>3 ± 0.0003<br>18428.4707 ± 0.0003<br>1.99545753 ± 0.0003<br>2.509166 ± 0.0003<br>2.38954449 ± 0.0003<br>1.78107488 ± 0.0003<br>2.66323638 ± 0.0003<br>2.86287165 ± 0.0003<br>1.20921946 ± 0.0003                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.6999981 2.92550302 3 18428.4707 1.99545753 2.509166 2.38954449 1.78107488 2.66323638 2.86287165 1.20921946 55850.0508                                    | $4.69999981 \pm 0.0003$ $2.92550302 \pm 0.0003$ $3 \pm 0.0003$ $18428.4707 \pm 0.0003$ $1.99545753 \pm 0.0003$ $2.509166 \pm 0.0003$ $2.38954449 \pm 0.0003$ $2.66323638 \pm 0.0003$ $2.86287165 \pm 0.0003$ $1.20921946 \pm 0.0003$                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.6999981 2.92550302 3 18428.4707 1.99545753 2.509166 2.38954449 1.78107488 2.66323638 2.86287165 1.20921946                                               | $4.69999981 \pm 0.0003$ $2.92550302 \pm 0.0003$ $3 \pm 0.0003$ $18428.4707 \pm 0.0003$ $1.99545753 \pm 0.0003$ $2.509166 \pm 0.0003$ $2.38954449 \pm 0.0003$ $2.66323638 \pm 0.0003$ $2.86287165 \pm 0.0003$ $1.20921946 \pm 0.0003$ $1.20921946 \pm 0.0003$                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.6999981 2.92550302 3 18428.4707 1.99545753 2.509166 2.38954449 1.78107488 2.66323638 2.86287165 1.20921946 55850.0508 978.544983 0                       | $4.69999981 \pm 0.0003$ $2.92550302 \pm 0.0003$ $3 \pm 0.0003$ $18428.4707 \pm 0.0003$ $1.99545753 \pm 0.0003$ $2.509166 \pm 0.0003$ $2.38954449 \pm 0.0003$ $2.66323638 \pm 0.0003$ $2.86287165 \pm 0.0003$ $1.20921946 \pm 0.0003$                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.6999981 2.92550302 3 18428.4707 1.99545753 2.509166 2.38954449 1.78107488 2.66323638 2.86287165 1.20921946 55850.0508 978.544983                         | 4.6999981 ± 0.0003<br>2.92550302 ± 0.0003<br>3 ± 0.0003<br>18428.4707 ± 0.0003<br>1.99545753 ± 0.0003<br>2.509166 ± 0.0003<br>2.38954449 ± 0.0003<br>1.78107488 ± 0.0003<br>2.66323638 ± 0.0003<br>2.86287165 ± 0.0003<br>1.20921946 ± 0.0003<br>55850.0508 ± 0.001<br>978.544983 ± 0.0009765625<br>0 ± 1                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.6999981 2.92550302 3 18428.4707 1.99545753 2.509166 2.38954449 1.78107488 2.66323638 2.86287165 1.20921946 55850.0508 978.544983 0 45636.1367            | $4.69999981 \pm 0.0003$ $2.92550302 \pm 0.0003$ $3 \pm 0.0003$ $18428.4707 \pm 0.0003$ $1.99545753 \pm 0.0003$ $2.509166 \pm 0.0003$ $2.38954449 \pm 0.0003$ $2.66323638 \pm 0.0003$ $2.86287165 \pm 0.0003$ $1.20921946 \pm 0.0003$ |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.6999981 2.92550302 3 18428.4707 1.99545753 2.509166 2.38954449 1.78107488 2.66323638 2.86287165 1.20921946 55850.0508 978.544983 0 45636.1367 1.72630322 | $\begin{array}{c} 4.6999981 \pm 0.0003 \\ 2.92550302 \pm 0.0003 \\ 3 \pm 0.0003 \\ 18428.4707 \pm 0.0003 \\ 1.99545753 \pm 0.0003 \\ 2.509166 \pm 0.0003 \\ 2.38954449 \pm 0.0003 \\ 2.66323638 \pm 0.0003 \\ 2.86287165 \pm 0.0003 \\ 2.86287165 \pm 0.0003 \\ 1.20921946 \pm 0.0003 \\ 55850.0508 \pm 0.001 \\ 978.544983 \pm 0.0009765625 \\ 0 \pm 1 \\ 45636.1367 \pm 0.004 \\ 1.72630322 \pm 0.0003 \end{array}$                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                            | 2.0999999 2.17881703 589 0.830244541 1.48206139 15 21.0107632 1.72093007e-008 1 45636.1367 1.72630322 3 2.08261728 1.59304428 tgt_CmMtrCurr_Per3_ADCMtrCurr tgt_CmMtrCurr_Per3_ADCMtrCurr tgt_CmMtrCurr_Per3_ADCMtrCurr tgt_CmMtrCurr_Per3_Verb_Verb_Verb_Verb_Verb_Verb_Verb_Verb                                                                                                                                                                                                   | 2.0999999 2.17881703 589 0.830244541 1.48206139 15 21.0107632 1.72093007e-008 1 45636.1367 1.72630322 3 2.08261728 1.59304428 tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_Vespd_Kph_f32 tgt_CmMtrCurr_Per3_Vespd_Kph_f32 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_Pim_ShCurrCal  Actual Value 62 62 62 ± 1 CURROFF_INTIALISE 0 CURROFF_INTIALISE |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.69 (Repeat Count = 1)       |              | ✓ |
|-----------------------------------------|--------------|---|
| Name                                    | Input Value  |   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 63           |   |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_CALC |   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1            |   |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 0            |   |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 3            |   |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 0            |   |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 1.38621521   |   |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 1.19170594   |   |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 21369.5801   |   |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 3            |   |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 3            |   |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 1.75171995   |   |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 3.32500005   |   |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32      | 2.34348607   |   |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32      | 1.49885356   |   |

2016-07-24, 12:40:56+0530



| Name                                                           | Input Value                            |                |        |
|----------------------------------------------------------------|----------------------------------------|----------------|--------|
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 1.53830063                             |                |        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 9725.94531                             |                |        |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 989.674988                             |                |        |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr              |                |        |
| k_CurrOffNoofAvg_Cnt_u16                                       | 258                                    |                |        |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 8.86568737                             |                |        |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 3                                      |                |        |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 1                                      |                |        |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 1200                                   |                |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 0.744054079                            |                |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 1.20999026                             |                |        |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 8                                      |                |        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 30.8183956                             |                |        |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.12093002e-008                        |                |        |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                      |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 30670.2969                             |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 2.57652688                             |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.05092359                             |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.04884481                             |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 2.97813463                             |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_1 | 32             |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_t | 32             |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16   |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 | 2              |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32       |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32      |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc  |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                      |                |        |
| Name                                                           | Actual Value                           | Expected Value | Result |
|                                                                |                                        | 00 . 4         |        |

| @CC                                               | 19-2              |                           |          |
|---------------------------------------------------|-------------------|---------------------------|----------|
| Name                                              | Actual Value      | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 63                | 63 ± 1                    | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_INTIALISE | CURROFF_INTIALISE         | •        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 0                 | 0                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 3                 | 3                         | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | <b>~</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 0                 | 0 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 1.38621521        | 1.38621521 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 1.19170594        | 1.19170594 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 21369.5801        | 21369.5801 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 3                 | 3 ± 0.0003                | •        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | •        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 1.75171995        | 1.75171995 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 3.32500005        | 3.32500005 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 2.34348607        | 2.34348607 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 1.49885356        | 1.49885356 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 1.53830063        | 1.53830063 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 9725.94531        | 9725.94531 ± 0.001        | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 989.674988        | 989.674988 ± 0.0009765625 | ✓        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                 | 0 ± 1                     | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 30670.2969        | 30670.2969 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.57652688        | 2.57652688 ± 0.0003       | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.05092359        | 2.05092359 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.04884481        | 2.04884481 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.97813463        | 2.97813463 ± 0.0003       | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.70 (Repeat Count = 1)       |              | <b>✓</b> |
|-----------------------------------------|--------------|----------|
| Name                                    | Input Value  |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 64           |          |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_CALC |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1            |          |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3            |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 3            |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 5            |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 2.3681531    |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 12546.25     |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 24310.6895   |          |

CmMtrCurr\_Per3

2016-07-24, 12:40:56+0530



Input Value CmMtrCurr\_MtrCurr1SumZero\_Volt\_M\_f32 3 CmMtrCurr\_MtrCurr2OffsetHi\_Volt\_M\_f32 CmMtrCurr\_MtrCurr2OffsetLo\_Volt\_M\_f32 1.81125057 CmMtrCurr\_MtrCurr2OffsetZero\_Volt\_M\_f32 2.06366134 CmMtrCurr\_MtrCurr2SumHi\_Volt\_M\_f32 33134.0195  $CmMtrCurr\_MtrCurr2SumLo\_Volt\_M\_f32$ 1.2478286 CmMtrCurr\_MtrCurr2SumZero\_Volt\_M\_f32 3  $CmMtrCurr\_MtrCurrValCmd\_VoltCnt\_M\_f32$ 44400 6758 CmMtrCurr\_VecuSum\_Volt\_M\_f32 1000.80499 Rte\_Inst\_Sa\_CmMtrCurr tgt\_Rte\_Inst\_Sa\_CmMtrCurr k\_CurrOffNoofAvg\_Cnt\_u16 k MaxCurrOffMtrVel RadpS f32 15 1356554 k\_MtrCurrEOLMaxOffset\_Volts\_f32 3 1 75381374 k MtrCurrEOLMinOffset Volts f32 k\_MtrCurrOffLoComOff\_Cnt\_u16 1250 2.33343601 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32.value tgt\_CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32.value 1.1714673 tgt\_CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32.value 15 tgt\_CmMtrCurr\_Per3\_Vecu\_Volt\_f32.value 11.564992 tgt\_CmMtrCurr\_Per3\_VehSpd\_Kph\_f32.value 1.82093007e-008 tgt\_CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc.value 1 tgt\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32 659.655212  $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32$ 3 tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32 2.62237978  $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32$ 3 tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32 1.62126434 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32$ tgt\_CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16 tgt CmMtrCurr Per3 ComOffset Cnt u16 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32 tgt\_CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_Vecu\_Volt\_f32 tgt\_CmMtrCurr\_Per3\_Vecu\_Volt\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_VehSpd\_Kph\_f32 tgt\_CmMtrCurr\_Per3\_VehSpd\_Kph\_f32 tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VhSpdValid Cnt Igc tgt CmMtrCurr Per3 VhSpdValid Cnt Igc  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_ShCurrCal$ tgt\_Pim\_ShCurrCal Actual Value **Expected Value** Name Result CmMtrCurr\_CurrOffAvgCounter\_Cnt\_M\_u16 64 ± 1 CURROFF\_INTIALISE CURROFF\_INTIALISE CmMtrCurr\_CurrOffState\_Uls\_M\_enum CmMtrCurr\_CurrOffTrimFlag\_Cnt\_M\_lgc 0 0  $CmMtrCurr\_CurroffProcessFlag\_M\_enum$ 3 3 CmMtrCurr\_MtrCurr1OffsetHi\_Volt\_M\_f32 3 ± 0.0003 CmMtrCurr MtrCurr1OffsetLo Volt M f32 5  $5 \pm 0.0003$ CmMtrCurr\_MtrCurr1OffsetZero\_Volt\_M\_f32 2.3681531 2.3681531 ± 0.0003 12546.25 CmMtrCurr\_MtrCurr1SumHi\_Volt\_M\_f32 12546.25 ± 0.0003

| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 24310.6895 | 24310.6895 ± 0.0003       | ~ |
|---------------------------------------------------|------------|---------------------------|---|
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 3          | 3 ± 0.0003                | ~ |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3          | 3 ± 0.0003                | ~ |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 1.81125057 | 1.81125057 ± 0.0003       | ~ |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.06366134 | 2.06366134 ± 0.0003       | ~ |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 33134.0195 | 33134.0195 ± 0.0003       | • |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 1.2478286  | 1.2478286 ± 0.0003        | ~ |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 3          | 3 ± 0.0003                | • |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 44400.6758 | 44400.6758 ± 0.001        | ~ |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 1000.80499 | 1000.80499 ± 0.0009765625 | • |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0          | 0 ± 1                     | ~ |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 659.655212 | 659.655212 ± 0.004        | ~ |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3          | 3 ± 0.0003                | ~ |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.62237978 | 2.62237978 ± 0.0003       | ~ |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3          | 3 ± 0.0003                | ~ |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.62126434 | 1.62126434 ± 0.0003       | • |
|                                                   |            |                           |   |
|                                                   |            |                           |   |

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | •      |

| Test Step 2.71 (Repeat Count = 1)     | <b>✓</b>     |
|---------------------------------------|--------------|
| Name                                  | Input Value  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 | 100          |
| CmMtrCurr_CurrOffState_Uls_M_enum     | CURROFF_CALC |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc   | 1            |

CmMtrCurr\_Per3

2016-07-24, 12:40:56+0530



 $36075.1289 \pm 0.0003$ 

2.75711107 ± 0.0003

1011.935 ± 0.0009765625

66466.9297 ± 0.001

10412.2559 ± 0.004

2.08674288 ± 0.0003

 $1.83028007 \pm 0.0003$ 

3 ± 0.0003

0 ± 1

3 ± 0.0003

3 ± 0.0003

| Name                                                                     | Input Value                   |                                            |        |
|--------------------------------------------------------------------------|-------------------------------|--------------------------------------------|--------|
| CmMtrCurr_CurroffProcessFlag_M_enum                                      | 1                             |                                            |        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                    | 2                             |                                            |        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                    | 2.25399995                    |                                            |        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                  | 1.1426152                     |                                            |        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                       | 15487.3604                    |                                            |        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                       | 27251.8008                    |                                            |        |
| CmMtrCurr MtrCurr1SumZero Volt M f32                                     | 10.2349997                    |                                            |        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                    | 2                             |                                            |        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                    | 3                             |                                            |        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                  | 3.98569989                    |                                            |        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                       | 36075.1289                    |                                            |        |
| CmMtrCurr MtrCurr2SumLo Volt M f32                                       | 3                             |                                            |        |
| CmMtrCurr MtrCurr2SumZero Volt M f32                                     | 2.75711107                    |                                            |        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                    | 66466.9297                    |                                            |        |
| CmMtrCurr_VecuSum_Volt_M_f32                                             | 1011.935                      |                                            |        |
| Rte Inst Sa CmMtrCurr                                                    | tgt_Rte_Inst_Sa_CmMtrCurr     |                                            |        |
| k_CurrOffNoofAvg_Cnt_u16                                                 | 357                           |                                            |        |
| k_MaxCurrOffMtrVel_RadpS_f32                                             | 7.43185806                    |                                            |        |
| k_MtrCurrEOLMaxOffset_Volts_f32                                          | 2.60659194                    |                                            |        |
| k_MtrCurrEOLMinOffset_Volts_f32                                          | 1.60813093                    |                                            |        |
| k_MtrCurrOffLoComOff_Cnt_u16                                             | 1300                          |                                            |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                           | 0.322858572                   |                                            |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                           | 0.601245165                   |                                            |        |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                             | 7                             |                                            |        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                   | 30.379221                     |                                            |        |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                  | 1.72093007e-008               |                                            |        |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                              | 1                             |                                            |        |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32                         | 10412.2559                    |                                            |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                          | 2.08674288                    |                                            |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                          | 3                             |                                            |        |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32                        | 1.83028007                    |                                            |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                        | 3                             |                                            |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32           | tgt CmMtrCurr Per3 ADCMtrCu   | urr1 Volts f32                             |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32           | tgt_CmMtrCurr_Per3_ADCMtrCu   |                                            |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16               | tgt_CmMtrCurr_Per3_ComOffset  |                                            |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32             | tgt_CmMtrCurr_Per3_MtrVel_Mtr |                                            |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32                   | tgt_CmMtrCurr_Per3_Vecu_Volt_ |                                            |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32                  | tgt_CmMtrCurr_Per3_VehSpd_K   |                                            |        |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VhSpdValid Cnt Igc              | tgt_CmMtrCurr_Per3_VhSpdValie |                                            |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                  | tgt_Pim_ShCurrCal             |                                            |        |
| Name                                                                     | Actual Value                  | Expected Value                             | Result |
|                                                                          | 100                           | 100 ± 1                                    | result |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr CurrOffState Uls M enum  | CURROFF INTIALISE             | CURROFF_INTIALISE                          |        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                      | 0                             | 0                                          |        |
| CmMtrCurr CurroffProcessFlag M enum                                      | 3                             | 3                                          |        |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                                    | 2                             | 2 ± 0.0003                                 |        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                    | 2.25399995                    | 2.25399995 ± 0.0003                        |        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                  | 1.1426152                     | 1.1426152 ± 0.0003                         |        |
|                                                                          | 15487.3604                    |                                            |        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr MtrCurr1SumLo Volt M f32    | 27251.8008                    | 15487.3604 ± 0.0003<br>27251.8008 ± 0.0003 |        |
| CmMtrCurr_MtrCurr1SumLo_voit_M_f32  CmMtrCurr MtrCurr1SumZero Volt M f32 | 10.2349997                    |                                            |        |
|                                                                          | 2                             | 10.2349997 ± 0.0003                        |        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                    | 3                             | 2 ± 0.0003                                 |        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                    |                               | 3 ± 0.0003                                 |        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                  | 3.98569989                    | 3.98569989 ± 0.0003                        | •      |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

36075.1289

2.75711107

66466.9297

1011.935

10412.2559

2.08674288

1.83028007

 $CmMtrCurr\_MtrCurr2SumHi\_Volt\_M\_f32$ 

CmMtrCurr\_MtrCurr2SumLo\_Volt\_M\_f32

CmMtrCurr\_VecuSum\_Volt\_M\_f32

 $CmMtrCurr\_MtrCurr2SumZero\_Volt\_M\_f32$ 

CmMtrCurr\_MtrCurrValCmd\_VoltCnt\_M\_f32

tgt\_CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16.value

 $tgt\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32$ 

tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32

tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32

 $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32$ 

tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32





| Test Step 2.72 (Repeat Count = 1)                                                      |                                |                                   | <b>✓</b> |
|----------------------------------------------------------------------------------------|--------------------------------|-----------------------------------|----------|
| Name                                                                                   | Input Value                    |                                   |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                  | 500                            |                                   |          |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                      | CURROFF_CALC                   |                                   |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                    | 1                              |                                   |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                    | 0                              |                                   |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                  | 3                              |                                   |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                  | 1.03766644                     |                                   |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                | 3                              |                                   |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                     | 18428.4707                     |                                   |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                     | 30192.9102                     |                                   |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr MtrCurr2OffsetHi Volt M f32             | 21.3649998                     |                                   |          |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                                                  | 1                              |                                   |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                | 1.93872654                     |                                   |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                     | 39016.2383                     |                                   |          |
| CmMtrCurr MtrCurr2SumLo Volt M f32                                                     | 1.74210644                     |                                   |          |
| CmMtrCurr MtrCurr2SumZero Volt M f32                                                   | 3                              |                                   |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                  | 17001.7754                     |                                   |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                                           | 1023.065                       |                                   |          |
| Rte_Inst_Sa_CmMtrCurr                                                                  | tgt_Rte_Inst_Sa_CmMtrCurr      |                                   |          |
| k_CurrOffNoofAvg_Cnt_u16                                                               | 158                            |                                   |          |
| k_MaxCurrOffMtrVel_RadpS_f32                                                           | 0.919944882                    |                                   |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                                        | 1.20769453                     |                                   |          |
| k_MtrCurrEOLMinOffset_Volts_f32                                                        | 1                              |                                   |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                                           | 1350                           |                                   |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                                         | 1.83188581                     |                                   |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                                         | 2.11928463                     |                                   |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                                           | 0                              |                                   |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                                 | 8.08698559                     |                                   |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value<br>tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value | 1.52093005e-008                |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                       | 16989.8633                     |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                        | 3                              |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                        | 1.16677904                     |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                      | 2.603158                       |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                      | 3                              |                                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32                         | tgt_CmMtrCurr_Per3_ADCMtrCurr  | 1_Volts_f32                       |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32                         | tgt_CmMtrCurr_Per3_ADCMtrCurr  | 2_Volts_f32                       |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16                             | tgt_CmMtrCurr_Per3_ComOffset_  | Cnt_u16                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32                           | tgt_CmMtrCurr_Per3_MtrVel_MtrR | RadpS_f32                         |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32                                 | tgt_CmMtrCurr_Per3_Vecu_Volt_f | 32                                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32                                | tgt_CmMtrCurr_Per3_VehSpd_Kpl  |                                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc                            | tgt_CmMtrCurr_Per3_VhSpdValid_ | _Cnt_lgc                          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                                | tgt_Pim_ShCurrCal              |                                   |          |
| Name                                                                                   | Actual Value                   | Expected Value                    | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                  | 500                            | 500 ± 1                           | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                      | CURROFF_INTIALISE              | CURROFF_INTIALISE                 | <b>~</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                    | 0                              | 0                                 |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                    | 3                              | 3                                 | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                  | 3<br>1.03766644                | 3 ± 0.0003<br>1.03766644 ± 0.0003 |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr MtrCurr1OffsetZero Volt M f32          | 3                              | 3 ± 0.0003                        |          |
| CmMtrCurr MtrCurr1SumHi Volt M f32                                                     | 18428.4707                     | 18428.4707 ± 0.0003               | -        |
| CmMtrCurr MtrCurr1SumLo Volt M f32                                                     | 30192.9102                     | 30192.9102 ± 0.0003               |          |
| CmMtrCurr MtrCurr1SumZero Volt M f32                                                   | 21.3649998                     | 21.3649998 ± 0.0003               | -        |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                                                  | 3                              | 3 ± 0.0003                        |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                  | 1                              | 1 ± 0.0003                        | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                | 1.93872654                     | 1.93872654 ± 0.0003               | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                     | 39016.2383                     | 39016.2383 ± 0.0003               | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                     | 1.74210644                     | 1.74210644 ± 0.0003               | •        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                   | 3                              | 3 ± 0.0003                        | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                  | 17001.7754                     | 17001.7754 ± 0.001                | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                                                           | 1023.065                       | 1023.065 ± 0.0009765625           | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                                             | 0                              | 0 ± 1                             | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                       | 16989.8633                     | 16989.8633 ± 0.004                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                        | 3                              | 3 ± 0.0003                        |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                        | 1.16677904                     | 1.16677904 ± 0.0003               | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                      | 2.603158                       | 2.603158 ± 0.0003                 |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                      | 3                              | 3 ± 0.0003                        | ✓        |



| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| T 404 0 T0 (D 40 44)                                           |                                 |                     |       |
|----------------------------------------------------------------|---------------------------------|---------------------|-------|
| Test Step 2.73 (Repeat Count = 1)                              |                                 |                     | ~     |
| Name                                                           | Input Value                     |                     |       |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 1000                            |                     |       |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_CALC                    |                     |       |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                               |                     |       |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 3                               |                     |       |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 1.78968191                      |                     |       |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 3                               |                     |       |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 3                               |                     |       |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 1.74427593                      |                     |       |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 33134.0195                      |                     |       |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 32.4949989                      |                     |       |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 2.13578081                      |                     |       |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 3                               |                     |       |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 2.69017243                      |                     |       |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 41957.3516                      |                     |       |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 2.5924716                       |                     |       |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 1.08553576                      |                     |       |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 50195.6016                      |                     |       |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 1034.19495                      |                     |       |
| Rte Inst Sa CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr       |                     |       |
| k_CurrOffNoofAvg_Cnt_u16                                       | 369                             |                     |       |
| k MaxCurrOffMtrVel RadpS f32                                   | 3.21255112                      |                     |       |
| k MtrCurrEOLMaxOffset Volts f32                                | 1.80947685                      |                     |       |
| k MtrCurrEOLMinOffset Volts f32                                | 2.55062389                      |                     |       |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 1400                            |                     |       |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 3                               |                     |       |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 0.893047094                     |                     |       |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 3                               |                     |       |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 31                              |                     |       |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.42093004e-008                 |                     |       |
| tgt CmMtrCurr Per3 VhSpdValid Cnt Igc.value                    | 1                               |                     |       |
|                                                                | 24752.502                       |                     |       |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 2.42258453                      |                     |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                |                                 |                     |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 1.98788738<br>1.54850125        |                     |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              |                                 |                     |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                               | V-II- 600           |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1  |                     |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2  |                     |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_C  | -                   |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRa | · <del>-</del>      |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f3 |                     |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph   |                     |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CmMtrCurr_Per3_VhSpdValid_0 | Cnt_lgc             |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal               |                     |       |
| Name                                                           | Actual Value                    | Expected Value      | Resul |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 1000                            | 1000 ± 1            | •     |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE               | CURROFF_INTIALISE   | •     |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 0                               | 0                   |       |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 3                               | 3                   | •     |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 1.78968191                      | 1.78968191 ± 0.0003 | •     |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 3                               | 3 ± 0.0003          | •     |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 3                               | 3 ± 0.0003          | •     |
| CmMtrCurr MtrCurr1SumHi Volt M f22                             | 1 74427502                      | 1 74427502 + 0 0002 |       |

| Name                                       | Actual Value      | Expected Value            | Result   |
|--------------------------------------------|-------------------|---------------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16      | 1000              | 1000 ± 1                  | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum          | CURROFF_INTIALISE | CURROFF_INTIALISE         | •        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc        | 0                 | 0                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum        | 3                 | 3                         | •        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32      | 1.78968191        | 1.78968191 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32      | 3                 | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32    | 3                 | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32         | 1.74427593        | 1.74427593 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32         | 33134.0195        | 33134.0195 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32       | 32.4949989        | 32.4949989 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32      | 2.13578081        | 2.13578081 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32      | 3                 | 3 ± 0.0003                | •        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32    | 2.69017243        | 2.69017243 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32         | 41957.3516        | 41957.3516 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         | 2.5924716         | 2.5924716 ± 0.0003        | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32       | 1.08553576        | 1.08553576 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32      | 50195.6016        | 50195.6016 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32               | 1034.19495        | 1034.19495 ± 0.0009765625 | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value | 0                 | 0 ± 1                     | ~        |





| Name                                              | Actual Value | Expected Value      | Result   |
|---------------------------------------------------|--------------|---------------------|----------|
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 24752.502    | 24752.502 ± 0.004   | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.42258453   | 2.42258453 ± 0.0003 | <b>~</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.98788738   | 1.98788738 ± 0.0003 | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.54850125   | 1.54850125 ± 0.0003 | ~        |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 | 3            | 3 ± 0.0003          | ✓        |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | •      |

| Test Step 2.74 (Repeat Count = 1)                              |                                   |                 |      | <b>✓</b> |
|----------------------------------------------------------------|-----------------------------------|-----------------|------|----------|
| Name                                                           | Input Value                       |                 |      |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 1500                              |                 |      |          |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_CALC                      |                 |      |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                                 |                 |      |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 2                                 |                 |      |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 2.93552423                        |                 |      |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 2.4932251                         |                 |      |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 3                                 |                 |      |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 3                                 |                 |      |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 36075.1289                        |                 |      |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 12546.25                          |                 |      |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 2.95301342                        |                 |      |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 2.0999999                         |                 |      |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 2.3003974                         |                 |      |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 2.91387296                        |                 |      |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 2.59368324                        |                 |      |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 2.01610184                        |                 |      |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 11215.4648                        |                 |      |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 1045.32495                        |                 |      |          |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr         |                 |      |          |
| k_CurrOffNoofAvg_Cnt_u16                                       | 1475                              |                 |      |          |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 10.4786997                        |                 |      |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 1.60135877                        | 1.60135877      |      |          |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 1.84947562                        |                 |      |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 1450                              |                 |      |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 1.0454731                         |                 |      |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 2.33811712                        |                 |      |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 10                                |                 |      |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 22.0903473                        |                 |      |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.32093003e-008                   |                 |      |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                 |                 |      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 73980.1406                        |                 |      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 2.88691401                        |                 |      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                                 |                 |      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.23304081                        |                 |      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                                 |                 |      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr         |                 |      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr         | Curr2_Volts_f32 |      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOff         |                 |      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_        |                 |      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_V         | _               |      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 |                 |      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CmMtrCurr_Per3_VhSpdV         | alid_Cnt_lgc    |      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                 |                 |      |          |
| Name                                                           | Actual Value                      | Expected Va     | alue | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 1500                              | 1500 ± 1        |      | <b>✓</b> |

| Name                                    | Actual Value      | Expected Value      | Result   |
|-----------------------------------------|-------------------|---------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 1500              | 1500 ± 1            | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_INTIALISE | CURROFF_INTIALISE   | •        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 0                 | 0                   | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3                 | 3                   | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 2.93552423        | 2.93552423 ± 0.0003 | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 2.4932251         | 2.4932251 ± 0.0003  | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 3                 | 3 ± 0.0003          | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 3                 | 3 ± 0.0003          | •        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 36075.1289        | 36075.1289 ± 0.0003 | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 12546.25          | 12546.25 ± 0.0003   | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 2.95301342        | 2.95301342 ± 0.0003 | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 2.0999999         | 2.0999999 ± 0.0003  | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 2.3003974         | 2.3003974 ± 0.0003  | •        |





| Name                                              | Actual Value | Expected Value            | Result   |
|---------------------------------------------------|--------------|---------------------------|----------|
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 2.91387296   | 2.91387296 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 2.59368324   | 2.59368324 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 2.01610184   | 2.01610184 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 11215.4648   | 11215.4648 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 1045.32495   | 1045.32495 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0            | 0 ± 1                     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 73980.1406   | 73980.1406 ± 0.004        | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.88691401   | 2.88691401 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3            | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.23304081   | 2.23304081 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003                | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~        |

| Name                                                           | Input Value                              |                |      |
|----------------------------------------------------------------|------------------------------------------|----------------|------|
| CmMtrCurr CurrOffAvgCounter Cnt M u16                          | 2000                                     |                |      |
| CmMtrCurr CurrOffState Uls M enum                              | CURROFF CALC                             |                |      |
| CmMtrCurr CurrOffTrimFlag Cnt M lgc                            | 1                                        |                |      |
| CmMtrCurr CurroffProcessFlag M enum                            | 1                                        |                |      |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 0                                        |                |      |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 3                                        |                |      |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                        | 2.44151449                               |                |      |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 2.25029397                               |                |      |
| CmMtrCurr MtrCurr1SumLo Volt M f32                             | 39016.2383                               |                |      |
| CmMtrCurr MtrCurr1SumZero Volt M f32                           | 15487.3604                               |                |      |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 3                                        |                |      |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                          | 3                                        |                |      |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 2.18853402                               |                |      |
| CmMtrCurr MtrCurr2SumHi Volt M f32                             | 3                                        |                |      |
| CmMtrCurr MtrCurr2SumLo Volt M f32                             | 1.4956274                                |                |      |
| CmMtrCurr MtrCurr2SumZero Volt M f32                           | 2.77353692                               |                |      |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                          | 1352.5321                                |                |      |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 1056.45496                               |                |      |
| Rte Inst Sa CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr                |                |      |
| CurrOffNoofAvg Cnt u16                                         | 32                                       |                |      |
| k MaxCurrOffMtrVel RadpS f32                                   | 19.3361607                               |                |      |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 3                                        |                |      |
| k MtrCurrEOLMinOffset Volts f32                                | 3                                        |                |      |
| k MtrCurrOffLoComOff Cnt u16                                   | 1500                                     |                |      |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 3                                        |                |      |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 1.45383477                               |                |      |
| tgt CmMtrCurr Per3 MtrVel MtrRadpS f32.value                   | 19                                       |                |      |
| tgt CmMtrCurr Per3 Vecu Volt f32.value                         | 21.1691227                               |                |      |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.12093002e-008                          |                |      |
| tgt CmMtrCurr Per3 VhSpdValid Cnt Igc.value                    | 1                                        |                |      |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32               | 43754.7461                               |                |      |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                | 1.6402266                                |                |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                                        |                |      |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32              | 3                                        |                |      |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32              | 1.29639792                               |                |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt CmMtrCurr Per3 ADCMtrCurr1 Volts f32 |                |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f   |                |      |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16     | tgt CmMtrCurr Per3 ComOffset Cnt u16     |                |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | 1              |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32         |                |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32        |                |      |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VhSpdValid Cnt Igc    | tgt CmMtrCurr Per3 VhSpdValid Cnt Igc    |                |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                        |                |      |
| Name                                                           | Actual Value                             | Expected Value | Resu |
| CmMtrCurr CurrOffAyaCounter Cnt M u16                          | 2000                                     | 2000 + 1       |      |

| Name                                    | Actual Value      | Expected Value      | Result   |
|-----------------------------------------|-------------------|---------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 2000              | 2000 ± 1            | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_INTIALISE | CURROFF_INTIALISE   | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 0                 | 0                   | <b>✓</b> |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3                 | 3                   | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 0                 | 0 ± 0.0003          | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 3                 | 3 ± 0.0003          | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 2.44151449        | 2.44151449 ± 0.0003 |          |





| Name                                              | Actual Value | Expected Value            | Result   |
|---------------------------------------------------|--------------|---------------------------|----------|
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 2.25029397   | 2.25029397 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 39016.2383   | 39016.2383 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 15487.3604   | 15487.3604 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3            | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 3            | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.18853402   | 2.18853402 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 3            | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 1.4956274    | 1.4956274 ± 0.0003        | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 2.77353692   | 2.77353692 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 1352.5321    | 1352.5321 ± 0.001         | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 1056.45496   | 1056.45496 ± 0.0009765625 | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0            | 0 ± 1                     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 43754.7461   | 43754.7461 ± 0.004        | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.6402266    | 1.6402266 ± 0.0003        | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3            | 3 ± 0.0003                | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.29639792   | 1.29639792 ± 0.0003       | ~        |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.76 (Repeat Count = 1)                              |                                       |                | <b>✓</b> |
|----------------------------------------------------------------|---------------------------------------|----------------|----------|
| Name                                                           | Input Value                           |                |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 2500                                  |                |          |
| CmMtrCurr CurrOffState Uls M enum                              | CURROFF CALC                          |                |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                                     |                |          |
| CmMtrCurr CurroffProcessFlag M enum                            | 3                                     |                |          |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 5                                     |                |          |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 3                                     |                |          |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                        | 3                                     |                |          |
| CmMtrCurr MtrCurr1SumHi Volt M f32                             | 1.85141718                            |                |          |
| CmMtrCurr MtrCurr1SumLo Volt M f32                             | 41957.3516                            |                |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 18428.4707                            |                |          |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                          | 3                                     |                |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 2.39214373                            |                |          |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32                        | 2.4301908                             |                |          |
| CmMtrCurr MtrCurr2SumHi Volt M f32                             | 2.00457311                            |                |          |
| CmMtrCurr MtrCurr2SumLo Volt M f32                             | 3                                     |                |          |
| CmMtrCurr MtrCurr2SumZero Volt M f32                           | 143.794998                            |                |          |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                          | 6346.29541                            |                |          |
| CmMtrCurr VecuSum Volt M f32                                   | 1067.58496                            |                |          |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr             |                |          |
| k_CurrOffNoofAvg_Cnt_u16                                       | 65                                    |                |          |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 9.53263474                            |                |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 1.81108499                            |                |          |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 1.65717375                            |                |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 569                                   |                |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 1.51561022                            |                |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 3                                     |                |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 9                                     |                |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 29.369381                             |                |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.82093007e-008                       |                |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                     |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 57061.793                             |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 1.75388491                            |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 1.48521161                            |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 3                                     |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 2.9058547                             |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_ | f32            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_ | <u>f</u> 32    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16  |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f3 | 2              |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32      |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32     |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                     |                |          |
| Name                                                           | Actual Value                          | Expected Value | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 2500                                  | 2500 ± 1       | <b>✓</b> |

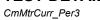




| Name                                              | Actual Value      | Expected Value            | Result   |
|---------------------------------------------------|-------------------|---------------------------|----------|
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_INTIALISE | CURROFF_INTIALISE         | ~        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 0                 | 0                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 3                 | 3                         | •        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 5                 | 5 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 3                 | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 3                 | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 1.85141718        | 1.85141718 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 41957.3516        | 41957.3516 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 18428.4707        | 18428.4707 ± 0.0003       | <b>~</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 2.39214373        | 2.39214373 ± 0.0003       | ✓        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.4301908         | 2.4301908 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 2.00457311        | 2.00457311 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 3                 | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 143.794998        | 143.794998 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 6346.29541        | 6346.29541 ± 0.001        | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 1067.58496        | 1067.58496 ± 0.0009765625 | ✓        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                 | 0 ± 1                     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 57061.793         | 57061.793 ± 0.004         | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.75388491        | 1.75388491 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.48521161        | 1.48521161 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                 | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.9058547         | 2.9058547 ± 0.0003        | ~        |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.77 (Repeat Count = 1)                              | <b>√</b>                                 |
|----------------------------------------------------------------|------------------------------------------|
| Name                                                           | Input Value                              |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 3000                                     |
| CmMtrCurr CurrOffState UIs M enum                              | CURROFF CALC                             |
| CmMtrCurr CurrOffTrimFlag Cnt M lgc                            | 1                                        |
| CmMtrCurr CurroffProcessFlag M enum                            | 3                                        |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 2.56800008                               |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 1.69100952                               |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                        | 1.07224905                               |
| CmMtrCurr MtrCurr1SumHi Volt M f32                             | 3                                        |
| CmMtrCurr MtrCurr1SumLo Volt M f32                             | 44898.4609                               |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 21369.5801                               |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                          | 1.1591742                                |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                          | 3                                        |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32                        | 1.79951966                               |
| CmMtrCurr MtrCurr2SumHi Volt M f32                             | 1.7779721                                |
| CmMtrCurr MtrCurr2SumLo Volt M f32                             | 3                                        |
| CmMtrCurr MtrCurr2SumZero Volt M f32                           | 154.925003                               |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                          | 149.294815                               |
| CmMtrCurr VecuSum Volt M f32                                   | 1078.71497                               |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr                |
| k CurrOffNoofAvg Cnt u16                                       | 98                                       |
| k MaxCurrOffMtrVel RadpS f32                                   | 19.0508652                               |
| k MtrCurrEOLMaxOffset Volts f32                                | 1.42972541                               |
| k MtrCurrEOLMinOffset Volts f32                                | 3                                        |
| k MtrCurrOffLoComOff Cnt u16                                   | 587                                      |
| tgt CmMtrCurr Per3 ADCMtrCurr1 Volts f32.value                 | 1.15866017                               |
| tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32.value                 | 1.91205668                               |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 19                                       |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 20.5213528                               |
| tgt CmMtrCurr Per3 VehSpd Kph f32.value                        | 1,72093007e-008                          |
| tgt CmMtrCurr Per3 VhSpdValid Cnt Igc.value                    | 1                                        |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32               | 64245.7344                               |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                | 3                                        |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                | 3                                        |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32              | 3                                        |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32              | 3                                        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16     | tgt CmMtrCurr Per3 ComOffset Cnt u16     |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   |
|                                                                | 19-7                                     |





| Name                                                        | Input Value                    |                           |          |
|-------------------------------------------------------------|--------------------------------|---------------------------|----------|
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32      | tgt_CmMtrCurr_Per3_Vecu_Volt_f | 32                        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32     | tgt_CmMtrCurr_Per3_VehSpd_Kpl  | h_f32                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc | tgt_CmMtrCurr_Per3_VhSpdValid_ | _Cnt_lgc                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                     | tgt_Pim_ShCurrCal              |                           |          |
| Name                                                        | Actual Value                   | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                       | 3000                           | 3000 ± 1                  | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                           | CURROFF_INTIALISE              | CURROFF_INTIALISE         | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                         | 0                              | 0                         | <b>✓</b> |
| CmMtrCurr_CurroffProcessFlag_M_enum                         | 3                              | 3                         | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                       | 2.56800008                     | 2.56800008 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                       | 1.69100952                     | 1.69100952 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                     | 1.07224905                     | 1.07224905 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                          | 3                              | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                          | 44898.4609                     | 44898.4609 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                        | 21369.5801                     | 21369.5801 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                       | 1.1591742                      | 1.1591742 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                       | 3                              | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                     | 1.79951966                     | 1.79951966 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                          | 1.7779721                      | 1.7779721 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                          | 3                              | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                        | 154.925003                     | 154.925003 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                       | 149.294815                     | 149.294815 ± 0.001        | •        |
| CmMtrCurr_VecuSum_Volt_M_f32                                | 1078.71497                     | 1078.71497 ± 0.0009765625 | •        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                  | 0                              | 0 ± 1                     | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32            | 64245.7344                     | 64245.7344 ± 0.004        | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32             | 3                              | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32             | 3                              | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32           | 3                              | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32           | 3                              | 3 ± 0.0003                | •        |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.78 (Repeat Count = 1)                | ✓                         |
|--------------------------------------------------|---------------------------|
| Name                                             | Input Value               |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16            | 3500                      |
| CmMtrCurr_CurrOffState_Uls_M_enum                | CURROFF_CALC              |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc              | 1                         |
| CmMtrCurr_CurroffProcessFlag_M_enum              | 3                         |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32            | 2.0455637                 |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32            | 3                         |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32          | 2.14313006                |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32               | 3                         |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32               | 47839.5703                |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32             | 24310.6895                |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32            | 1                         |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32            | 2.03679204                |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32          | 3.25399995                |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32               | 10.2349997                |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32               | 1.16161025                |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32             | 166.054993                |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32            | 27387.8652                |
| CmMtrCurr_VecuSum_Volt_M_f32                     | 1089.84497                |
| Rte_Inst_Sa_CmMtrCurr                            | tgt_Rte_Inst_Sa_CmMtrCurr |
| k_CurrOffNoofAvg_Cnt_u16                         | 7845                      |
| k_MaxCurrOffMtrVel_RadpS_f32                     | 17.7443714                |
| k_MtrCurrEOLMaxOffset_Volts_f32                  | 2.19935322                |
| k_MtrCurrEOLMinOffset_Volts_f32                  | 1.83148623                |
| k_MtrCurrOffLoComOff_Cnt_u16                     | 1200                      |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value   | 3                         |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value   | 0.762533665               |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value     | 17                        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value           | 11.6196957                |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value          | 1.12093002e-008           |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value      | 1                         |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 | 56380.6055                |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  | 3                         |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32  | 2.21375871                |





| Name                                                           | Input Value                            |                           |          |
|----------------------------------------------------------------|----------------------------------------|---------------------------|----------|
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 3                                      |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                                      |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_  | f32                       |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_  | f32                       |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16   |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f3: | 2                         |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32       |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32      |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc  |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                      |                           |          |
| Name                                                           | Actual Value                           | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 3500                                   | 3500 ± 1                  | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE                      | CURROFF_INTIALISE         | •        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 0                                      | 0                         | •        |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 3                                      | 3                         | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 2.0455637                              | 2.0455637 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 3                                      | 3 ± 0.0003                | •        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 2.14313006                             | 2.14313006 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 3                                      | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 47839.5703                             | 47839.5703 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 24310.6895                             | 24310.6895 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 1                                      | 1 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 2.03679204                             | 2.03679204 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 3.25399995                             | 3.25399995 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 10.2349997                             | 10.2349997 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 1.16161025                             | 1.16161025 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 166.054993                             | 166.054993 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 27387.8652                             | 27387.8652 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 1089.84497                             | 1089.84497 ± 0.0009765625 | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                     | 0                                      | 0 ± 1                     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 56380.6055                             | 56380.6055 ± 0.004        | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                                      | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.21375871                             | 2.21375871 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 3                                      | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                                      | 3 ± 0.0003                | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.79 (Repeat Count = 1)              | ✓                         |
|------------------------------------------------|---------------------------|
| Name                                           | Input Value               |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16          | 4000                      |
| CmMtrCurr_CurrOffState_Uls_M_enum              | CURROFF_CALC              |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc            | 1                         |
| CmMtrCurr_CurroffProcessFlag_M_enum            | 1                         |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32          | 3                         |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32          | 2.60292649                |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32        | 2.94488144                |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32             | 99.2750015                |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32             | 43.625                    |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32           | 27251.8008                |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32          | 3                         |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32          | 3                         |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32        | 3.98539996                |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32             | 21.3649998                |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32             | 1.25156271                |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32           | 177.184998                |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32          | 54731.1328                |
| CmMtrCurr_VecuSum_Volt_M_f32                   | 1100.97498                |
| Rte_Inst_Sa_CmMtrCurr                          | tgt_Rte_Inst_Sa_CmMtrCurr |
| k_CurrOffNoofAvg_Cnt_u16                       | 12                        |
| k_MaxCurrOffMtrVel_RadpS_f32                   | 14.9630527                |
| k_MtrCurrEOLMaxOffset_Volts_f32                | 1.57632184                |
| k_MtrCurrEOLMinOffset_Volts_f32                | 2.46642208                |
| k_MtrCurrOffLoComOff_Cnt_u16                   | 1250                      |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value | 2.52696967                |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value | 2.73624921                |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value   | 14                        |

CmMtrCurr\_Per3



| Name                                                           | Input Value                              |
|----------------------------------------------------------------|------------------------------------------|
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 28.2243862                               |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.82093007e-008                          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 53916.1016                               |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                                        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                                        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 3                                        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                                        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16     |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    |
| tot Rte Inst Sa CmMtrCurr Pim ShCurrCal                        | tot Pim ShCurrCal                        |

| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal |                           |          |
|---------------------------------------------------|-------------------|---------------------------|----------|
| Name                                              | Actual Value      | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 4000              | 4000 ± 1                  | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_INTIALISE | CURROFF_INTIALISE         | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 0                 | 0                         | •        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 3                 | 3                         | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 2.60292649        | 2.60292649 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 2.94488144        | 2.94488144 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 99.2750015        | 99.2750015 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 43.625            | 43.625 ± 0.0003           | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 27251.8008        | 27251.8008 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 3                 | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 3.98539996        | 3.98539996 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 21.3649998        | 21.3649998 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 1.25156271        | 1.25156271 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 177.184998        | 177.184998 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 54731.1328        | 54731.1328 ± 0.001        | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 1100.97498        | 1100.97498 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                 | 0 ± 1                     | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 53916.1016        | 53916.1016 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003                | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003                | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                 | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                 | 3 ± 0.0003                | <b>~</b> |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.80 (Repeat Count = 1)       |                           | <b>✓</b> |
|-----------------------------------------|---------------------------|----------|
| Name                                    | Input Value               |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 4500                      |          |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_CALC              |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                         |          |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 1                         |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 2.57089233                |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 1.04547274                |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 2.68251061                |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 110.404999                |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 54.7550011                |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 30192.9102                |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 2.0999999                 |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 2.77936649                |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 1.69485998                |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32      | 32.4949989                |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32      | 3                         |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32    | 188.315002                |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32   | 40529.3281                |          |
| CmMtrCurr_VecuSum_Volt_M_f32            | 1112.10498                |          |
| Rte_Inst_Sa_CmMtrCurr                   | tgt_Rte_Inst_Sa_CmMtrCurr |          |
| k_CurrOffNoofAvg_Cnt_u16                | 32                        |          |
| k_MaxCurrOffMtrVel_RadpS_f32            | 16.6868706                |          |

2016-07-24, 12:40:56+0530



| CmMtrCurr_Per3                                                 |                                 |                           | MAZUITAT |
|----------------------------------------------------------------|---------------------------------|---------------------------|----------|
| Name                                                           | Input Value                     |                           |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 2.7003603                       |                           |          |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 1.04556215                      |                           |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 1300                            |                           |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 2.51056814                      |                           |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 2.98966312                      |                           |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 16                              |                           |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 7.02365923                      |                           |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.72093007e-008                 |                           |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                               |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 14487.7334                      |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 2.96119714                      |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.35539818                      |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 3                               |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1.05737138                      |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr   | 1_Volts_f32               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr   | 2_Volts_f32               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_0  | Cnt_u16                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrR  | adpS_f32                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f3 | 32                        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph   | 1_f32                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_  | _Cnt_lgc                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal               |                           |          |
| Name                                                           | Actual Value                    | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 4500                            | 4500 ± 1                  | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE               | CURROFF_INTIALISE         | ✓        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 0                               | 0                         | ✓        |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 3                               | 3                         | ✓        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 2.57089233                      | 2.57089233 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 1.04547274                      | 1.04547274 ± 0.0003       | ✓        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 2.68251061                      | 2.68251061 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 110.404999                      | 110.404999 ± 0.0003       | ✓        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 54.7550011                      | 54.7550011 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 30192.9102                      | 30192.9102 ± 0.0003       | ✓        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 2.0999999                       | 2.0999999 ± 0.0003        | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 2.77936649                      | 2.77936649 ± 0.0003       | ✓        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 1.69485998                      | 1.69485998 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 32.4949989                      | 32.4949989 ± 0.0003       | ✓        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 3                               | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 188.315002                      | 188.315002 ± 0.0003       | ✓        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 40529.3281                      | 40529.3281 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 1112.10498                      | 1112.10498 ± 0.0009765625 |          |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                     | 0                               | 0 ± 1                     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 14487.7334                      | 14487.7334 ± 0.004        | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 2.96119714                      | 2.96119714 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.35539818                      | 2.35539818 ± 0.0003       | ✓        |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

1.05737138

3 ± 0.0003

1.05737138 ± 0.0003

| Test Step 2.81 (Repeat Count = 1)       |              | ✓ |
|-----------------------------------------|--------------|---|
| Name                                    | Input Value  |   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 5000         |   |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_CALC |   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1            |   |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3            |   |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 2.9000001    |   |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 1.5          |   |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 1.35347366   |   |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 121.535004   |   |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 65.8850021   |   |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 33134.0195   |   |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 2.9000001    |   |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 1.5          |   |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 3.75889993   |   |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32      | 43.625       |   |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32      | 12546.25     |   |

 $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32\\ tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32\\$ 





| Name                                                           | Input Value                       |                   |        |
|----------------------------------------------------------------|-----------------------------------|-------------------|--------|
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 199.445007                        |                   |        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 0                                 |                   |        |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 1123.23499                        |                   |        |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr         |                   |        |
| k_CurrOffNoofAvg_Cnt_u16                                       | 45                                |                   |        |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 9.53334713                        |                   |        |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 3                                 |                   |        |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 1.41879892                        |                   |        |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 1350                              |                   |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 1.71382546                        |                   |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 2.45573974                        |                   |        |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 9                                 |                   |        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 16.8483124                        |                   |        |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.52093005e-008                   |                   |        |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                 |                   |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 8235.15234                        |                   |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                                 |                   |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                                 |                   |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 3                                 |                   |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                                 |                   |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_\  | /olts_f32         |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_\  | /olts_f32         |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt  | _u16              |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadp | oS_f32            |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32  |                   |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f3  | 32                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cn  | t_lgc             |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                 |                   |        |
| Name                                                           | Actual Value                      | Expected Value    | Result |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 5000                              | 5000 ± 1          | ~      |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE                 | CURROFF_INTIALISE | ~      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 0                                 | 0                 | ~      |
|                                                                |                                   | · ·               |        |

| ig_rite_me_ca_cminitoum: im_chouhou               | tgt_i iii_oiiouiioui |                           |          |
|---------------------------------------------------|----------------------|---------------------------|----------|
| Name                                              | Actual Value         | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 5000                 | 5000 ± 1                  | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_INTIALISE    | CURROFF_INTIALISE         | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 0                    | 0                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 2                    | 2                         | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 2.9000001            | 2.9000001 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 1.5                  | 1.5 ± 0.0003              | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 1.35347366           | 1.35347366 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 121.535004           | 121.535004 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 65.8850021           | 65.8850021 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 33134.0195           | 33134.0195 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 2.9000001            | 2.9000001 ± 0.0003        | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 1.5                  | 1.5 ± 0.0003              | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 3.75889993           | 3.75889993 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 43.625               | 43.625 ± 0.0003           | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 12546.25             | 12546.25 ± 0.0003         | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 199.445007           | 199.445007 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 0                    | 0 ± 0.001                 | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 1123.23499           | 1123.23499 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                    | 0 ± 1                     | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 0                    | 0 ± 0.004                 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.5                  | 1.5 ± 0.0003              | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.5                  | 1.5 ± 0.0003              | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.4000001            | 1.39999998 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.4000001            | 1.39999998 ± 0.0003       | ~        |

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | •      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |

| Test Step 2.82 (Repeat Count = 1)       |              | <b>✓</b> |
|-----------------------------------------|--------------|----------|
| Name                                    | Input Value  |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 5500         |          |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_CALC |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1            |          |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3            |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 2.9000001    |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 1.5          |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 1.7515341    |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 132.664993   |          |

CmMtrCurr\_Per3

2016-07-24, 12:40:56+0530



| Name                                                                                                   | Input Value                                         |                           |          |  |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------|----------|--|
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                     | 77.0149994                                          |                           |          |  |
| CmMtrCurr1SumZero_Volt_M_f32                                                                           | 36075.1289                                          |                           |          |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                  | 2.9000001                                           |                           |          |  |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                  | 1.5                                                 |                           |          |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                | 2.40540409                                          |                           |          |  |
| CmMtrCurr MtrCurr2SumHi Volt M f32                                                                     | 54.7550011                                          | 54.7550011                |          |  |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                     | 15487.3604                                          |                           |          |  |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                   | 210.574997                                          |                           |          |  |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                  | 80000                                               |                           |          |  |
| CmMtrCurr VecuSum Volt M f32                                                                           | 1134.36499                                          |                           |          |  |
| Rte Inst Sa CmMtrCurr                                                                                  | tgt_Rte_Inst_Sa_CmMtrCurr                           |                           |          |  |
| k CurrOffNoofAvg Cnt u16                                                                               | 95                                                  |                           |          |  |
| k_MaxCurrOffMtrVel_RadpS_f32                                                                           | 9.00114441                                          |                           |          |  |
| k MtrCurrEOLMaxOffset Volts f32                                                                        | 3                                                   |                           |          |  |
| k MtrCurrEOLMinOffset Volts f32                                                                        | 1.41879892                                          |                           |          |  |
| k MtrCurrOffLoComOff Cnt u16                                                                           | 1400                                                |                           |          |  |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                                                         | 0.391895294                                         |                           |          |  |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                                                         | 3                                                   |                           |          |  |
| tgt CmMtrCurr Per3 MtrVel MtrRadpS f32.value                                                           | 9                                                   |                           |          |  |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                                                 | 25.519434                                           |                           |          |  |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                                                | 1.42093004e-008                                     |                           |          |  |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                                                            | 1                                                   |                           |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                       | 75601.9063                                          |                           |          |  |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                                                        | 2.38947511                                          |                           |          |  |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                                                        | 1.39260566                                          |                           |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                      | 2.18089151                                          |                           |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                                      | 1.54483712                                          |                           |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32                                         | tgt_CmMtrCurr_Per3_ADCMtrCurr1                      | 1 Volte f32               |          |  |
|                                                                                                        |                                                     |                           |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32                                         | tgt_CmMtrCurr_Per3_ADCMtrCurr2                      |                           |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16                                             | tgt_CmMtrCurr_Per3_ComOffset_C                      | _                         |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32                                           | tgt_CmMtrCurr_Per3_MtrVel_MtrRa                     |                           |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32                                                 | tgt_CmMtrCurr_Per3_Vecu_Volt_f3                     |                           |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32                                                | tgt_CmMtrCurr_Per3_VehSpd_Kph                       |                           |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc<br>tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal | tgt_CmMtrCurr_Per3_VhSpdValid_<br>tgt_Pim_ShCurrCal | CIIL_IGC                  |          |  |
|                                                                                                        |                                                     | From a set of Walters     | D14      |  |
| Name                                                                                                   | Actual Value                                        | Expected Value            | Result   |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                  | 5500                                                | 5500 ± 1                  |          |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                      | CURROFF_INTIALISE                                   | CURROFF_INTIALISE         | <b>*</b> |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                    | 0                                                   | 0                         | <b>✓</b> |  |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                    | 2                                                   | 2                         | <b>*</b> |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                  | 2.9000001                                           | 2.9000001 ± 0.0003        | <b>•</b> |  |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                  | 1.5                                                 | 1.5 ± 0.0003              | <b>•</b> |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                | 1.7515341                                           | 1.7515341 ± 0.0003        |          |  |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                     | 132.664993                                          | 132.664993 ± 0.0003       | ~        |  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                     | 77.0149994                                          | 77.0149994 ± 0.0003       |          |  |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                   | 36075.1289                                          | 36075.1289 ± 0.0003       | ~        |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                  | 2.9000001                                           | 2.9000001 ± 0.0003        | ~        |  |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                  | 1.5                                                 | 1.5 ± 0.0003              | ~        |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                | 2.40540409                                          | 2.40540409 ± 0.0003       | ~        |  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                     | 54.7550011                                          | 54.7550011 ± 0.0003       | ~        |  |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                     | 15487.3604                                          | 15487.3604 ± 0.0003       | ~        |  |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                   | 210.574997                                          | 210.574997 ± 0.0003       | ~        |  |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                  | 80000                                               | 80000 ± 0.001             | ~        |  |
| CmMtrCurr_VecuSum_Volt_M_f32                                                                           | 1134.36499                                          | 1134.36499 ± 0.0009765625 | ~        |  |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                                                             | 0                                                   | 0 ± 1                     | ~        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                       | 80000                                               | 80000 ± 0.004             | ~        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                                        | 1.5                                                 | 1.5 ± 0.0003              | <b>✓</b> |  |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | <b>✓</b> |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~        |

1.5 ± 0.0003

1.39999998 ± 0.0003

1.39999998 ± 0.0003

1.5

1.4000001

1.4000001

| Test Step 2.83 (Repeat Count = 1)     | ✓           |
|---------------------------------------|-------------|
| Name                                  | Input Value |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 | 6000        |

tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32

 $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32$ 

tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32





| Name                                                                                                                                                                                               | Input Value                     |                              |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|------|
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                                                                                                  | CURROFF_CALC                    |                              |      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                                                                                                | 1                               |                              |      |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                                                                                                | 2                               |                              |      |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                                                                                              | 2.9000001                       |                              |      |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                                                                                              | 1.5                             |                              |      |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                                                                                            | 2.13700366                      |                              |      |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                                                                                                 | 143.794998                      |                              |      |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                                                                                                 | 88.1449966                      |                              |      |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                                                                               | 39016.2383                      |                              |      |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                                                                                              | 2.9000001                       |                              |      |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                                                                                              | 1.5                             |                              |      |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                                                                                            | 3                               |                              |      |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                                                                                                 | 65.8850021                      |                              |      |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                                                                                                 | 18428.4707                      |                              |      |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                                                                                                               | 221.705002                      |                              |      |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                                                                                              | 32658.5                         |                              |      |
| CmMtrCurr_VecuSum_Volt_M_f32                                                                                                                                                                       | 1145.495                        |                              |      |
| Rte_Inst_Sa_CmMtrCurr                                                                                                                                                                              | tgt_Rte_Inst_Sa_CmMtrCurr       |                              |      |
| k_CurrOffNoofAvg_Cnt_u16                                                                                                                                                                           | 15                              |                              |      |
| <pre>&lt;_MaxCurrOffMtrVel_RadpS_f32</pre>                                                                                                                                                         | 17.4113503<br>3                 |                              |      |
| k_MtrCurrEOLMaxOffset_Volts_f32                                                                                                                                                                    |                                 |                              |      |
| k_MtrCurrEOLMinOffset_Volts_f32                                                                                                                                                                    | 1.41879892                      |                              |      |
| k_MtrCurrOffLoComOff_Cnt_u16                                                                                                                                                                       | 1450                            |                              |      |
| gt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                                                                                                                                                      | 2.24416041<br>0.646974802       |                              |      |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                                                                                                                                                     | 0.646974802                     |                              |      |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value<br>tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                                                                                             | 11.6333284                      |                              |      |
| gt_CmMtrCurr_Per3_Vecu_voit_isz.value<br>igt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                                                                                                   | 1.32093003e-008                 |                              |      |
| gt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                                                                                                                                                         | 1                               |                              |      |
| gt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                                                                                                    | 62678.8203                      |                              |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                                                                                                                                    | 2.18478942                      |                              |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                                                                                                                                    | 3                               |                              |      |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32                                                                                                                                                  | 3                               |                              |      |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32                                                                                                                                                  | 1.84651113                      |                              |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32                                                                                                                                     | tgt_CmMtrCurr_Per3_ADCMtrCurr   | 1 Volts f32                  |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32                                                                                                                                     | tgt_CmMtrCurr_Per3_ADCMtrCurr2  |                              |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                         | tgt_CmMtrCurr_Per3_ComOffset_0  |                              |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32                                                                                                                                       | tgt CmMtrCurr Per3 MtrVel MtrR  | _                            |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32                                                                                                                                             | tgt_CmMtrCurr_Per3_Vecu_Volt_f3 | · <del>-</del>               |      |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32                                                                                                                                            | tgt_CmMtrCurr_Per3_VehSpd_Kph   |                              |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc                                                                                                                                        | tgt_CmMtrCurr_Per3_VhSpdValid_  |                              |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                                                                                                                                            | tgt_Pim_ShCurrCal               |                              |      |
| Name                                                                                                                                                                                               | Actual Value                    | Expected Value               | Resu |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                                                                                              | 6000                            | 6000 ± 1                     |      |
| CmMtrCurr CurrOffState Uls M enum                                                                                                                                                                  | CURROFF INTIALISE               | CURROFF INTIALISE            |      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                                                                                                | 0                               | 0                            |      |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                                                                                                | 2                               | 2                            |      |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                                                                                                                                                              | 2.9000001                       | 2.9000001 ± 0.0003           |      |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                                                                                              | 1.5                             | 1.5 ± 0.0003                 |      |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                                                                                                                                                            | 2.13700366                      | 2.13700366 ± 0.0003          |      |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                                                                                                 | 143.794998                      | 143.794998 ± 0.0003          |      |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                                                                                                 | 88.1449966                      | 88.1449966 ± 0.0003          |      |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                                                                               | 39016.2383                      | 39016.2383 ± 0.0003          |      |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                                                                                              | 2.9000001                       | 2.9000001 ± 0.0003           |      |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                                                                                              | 1.5                             | 1.5 ± 0.0003                 |      |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                                                                                            | 3                               | 3 ± 0.0003                   |      |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                                                                                                 | 65.8850021                      | 65.8850021 ± 0.0003          |      |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                                                                                                 | 18428.4707                      | 18428.4707 ± 0.0003          |      |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                                                                                                               | 221.705002                      | 221.705002 ± 0.0003          |      |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                                                                                              | 32658.5                         | 32658.5 ± 0.001              |      |
| CmMtrCurr_VecuSum_Volt_M_f32                                                                                                                                                                       | 1145.495                        | 1145.495 ± 0.0009765625      |      |
| gt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                                                                                                                                                          | 0                               | 0 ± 1                        |      |
|                                                                                                                                                                                                    | 32658.5                         | 32658.5 ± 0.004              |      |
| gt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                                                                                                    |                                 |                              |      |
|                                                                                                                                                                                                    | 1.5                             | 1.5 ± 0.0003                 | '    |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                                                                                                                                    | 1.5<br>1.5                      | 1.5 ± 0.0003<br>1.5 ± 0.0003 |      |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 |                                 |                              |      |



| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | •      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |

| Test Step 2.84 (Repeat Count = 1)                              |                            |                 |         |
|----------------------------------------------------------------|----------------------------|-----------------|---------|
| Name                                                           | Input Value                |                 |         |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 6500                       |                 |         |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE          |                 |         |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                          |                 |         |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 3                          |                 |         |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 4.19999981                 |                 |         |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 4.0999999                  |                 |         |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 2.804142                   |                 |         |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 154.925003                 |                 |         |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 99.2750015                 |                 |         |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 41957.3516                 |                 |         |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 2.42372727                 |                 |         |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 2.14313006                 |                 |         |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 4.52099991                 |                 |         |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 33134.0195                 |                 |         |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 21369.5801                 |                 |         |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 232.835007                 |                 |         |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 47836.1094                 |                 |         |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 1156.625                   |                 |         |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr  |                 |         |
| k_CurrOffNoofAvg_Cnt_u16                                       | 35                         |                 |         |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | -17.8156967                |                 |         |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 3                          |                 |         |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 1.65248311                 |                 |         |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 1500                       |                 |         |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 2.77794123                 |                 |         |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 3                          |                 |         |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | -1111.86194                |                 |         |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 15.2223673                 |                 |         |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 149.203644                 |                 |         |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                          |                 |         |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 0                          |                 |         |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 1.46345818                 |                 |         |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 1.08953357                 |                 |         |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 3                          |                 |         |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                          |                 |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr  | Curr1_Volts_f32 |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr  | Curr2_Volts_f32 |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOff  |                 |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_ | MtrRadpS_f32    |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_V  | olt_f32         |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd  | _Kph_f32        |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdV  |                 |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal          |                 |         |
| Name                                                           | Actual Value               | Expected Value  | Resul   |
| CmMtrCurr CurrOffAvgCounter Cnt M u16                          | 6500                       | 6500 ± 1        | i toodi |
|                                                                | 5500                       | 0000 ± 1        |         |

| @C                                      | 19-2              |                         |        |
|-----------------------------------------|-------------------|-------------------------|--------|
| Name                                    | Actual Value      | Expected Value          | Result |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 6500              | 6500 ± 1                | ~      |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_INTIALISE | CURROFF_INTIALISE       | ~      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 0                 | 0                       | ~      |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3                 | 3                       | •      |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 4.19999981        | 4.19999981 ± 0.0003     | ~      |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 4.0999999         | 4.0999999 ± 0.0003      | ~      |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 2.804142          | 2.804142 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 154.925003        | 154.925003 ± 0.0003     | ~      |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 99.2750015        | 99.2750015 ± 0.0003     | ~      |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 41957.3516        | 41957.3516 ± 0.0003     | •      |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 2.42372727        | 2.42372727 ± 0.0003     | ~      |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 2.14313006        | 2.14313006 ± 0.0003     | •      |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 4.52099991        | 4.52099991 ± 0.0003     | ~      |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32      | 33134.0195        | 33134.0195 ± 0.0003     | ~      |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32      | 21369.5801        | 21369.5801 ± 0.0003     | ~      |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32    | 232.835007        | 232.835007 ± 0.0003     | ~      |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32   | 47836.1094        | 47836.1094 ± 0.001      | ~      |
| CmMtrCurr_VecuSum_Volt_M_f32            | 1156.625          | 1156.625 ± 0.0009765625 | ~      |

CmMtrCurr\_Per3



| Name                                              | Actual Value | Expected Value      | Result   |
|---------------------------------------------------|--------------|---------------------|----------|
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0            | 0 ± 1               | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 0            | 0 ± 0.004           | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.46345818   | 1.46345818 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.08953357   | 1.08953357 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003          | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003          | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.85 (Repeat Count = 1)                              | In and Malian                  |                   |          |
|----------------------------------------------------------------|--------------------------------|-------------------|----------|
| Name                                                           | Input Value                    |                   |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 7000                           |                   |          |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_ZEROAVERAGE            |                   |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                              |                   |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 2                              |                   |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 4.30000019                     |                   |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 4.19999981                     |                   |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 2.64458537                     |                   |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 166.054993                     |                   |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 110.404999                     |                   |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 44898.4609                     |                   |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 2.09375167                     |                   |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 2.94488144                     |                   |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 4.0999999                      |                   |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 36075.1289                     |                   |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 24310.6895                     |                   |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 243.964996                     |                   |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 33845.8906                     |                   |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 1167.755                       |                   |          |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr      |                   |          |
| k CurrOffNoofAvg Cnt u16                                       | 45                             |                   |          |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 4.52163124                     |                   |          |
| k MtrCurrEOLMaxOffset Volts f32                                | 3                              |                   |          |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 1.36244023                     |                   |          |
| k MtrCurrOffLoComOff Cnt u16                                   | 569                            |                   |          |
| tgt CmMtrCurr Per3 ADCMtrCurr1 Volts f32.value                 | 3                              |                   |          |
| tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32.value                 | 0.810473204                    |                   |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 744.84552                      |                   |          |
| tgt CmMtrCurr Per3 Vecu Volt f32.value                         | 15.7255764                     |                   |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 119.040482                     |                   |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 0                              |                   |          |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32               | 80000                          |                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 2.19611669                     |                   |          |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                | 2.60853982                     |                   |          |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32              | 1.43602788                     |                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 2.57714796                     |                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCur   | r1 Volts f32      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCur   |                   |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16     | tgt CmMtrCurr Per3 ComOffset   |                   |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32   | tgt CmMtrCurr Per3 MtrVel Mtrl |                   |          |
|                                                                |                                | · <del>-</del>    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_  |                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kp   |                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid  | i_Cnt_igc         |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal              | l=                | 1_       |
| Name                                                           | Actual Value                   | Expected Value    | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 7000                           | 7000 ± 1          | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE              | CURROFF_INTIALISE | •        |
| CmMtrCurr CurrOffTrimFlag Cnt M lgc                            | 0                              | 0                 | <b>→</b> |

| Name                                    | Actual Value      | Expected Value      | Result |
|-----------------------------------------|-------------------|---------------------|--------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 7000              | 7000 ± 1            | ~      |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_INTIALISE | CURROFF_INTIALISE   | ~      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 0                 | 0                   | ~      |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3                 | 3                   | •      |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 4.30000019        | 4.30000019 ± 0.0003 | ~      |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 4.19999981        | 4.19999981 ± 0.0003 | ~      |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 2.64458537        | 2.64458537 ± 0.0003 | ~      |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 166.054993        | 166.054993 ± 0.0003 | •      |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 110.404999        | 110.404999 ± 0.0003 | ~      |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 44898.4609        | 44898.4609 ± 0.0003 | ~      |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 2.09375167        | 2.09375167 ± 0.0003 | ~      |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 2.94488144        | 2.94488144 ± 0.0003 | ~      |





| Name                                              | Actual Value | Expected Value          | Result   |
|---------------------------------------------------|--------------|-------------------------|----------|
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 4.0999999    | 4.0999999 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 36075.1289   | 36075.1289 ± 0.0003     | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 24310.6895   | 24310.6895 ± 0.0003     | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 243.964996   | 243.964996 ± 0.0003     | •        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 33845.8906   | 33845.8906 ± 0.001      | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 1167.755     | 1167.755 ± 0.0009765625 | •        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0            | 0 ± 1                   | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 80000        | 80000 ± 0.004           | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.19611669   | 2.19611669 ± 0.0003     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.60853982   | 2.60853982 ± 0.0003     | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.43602788   | 1.43602788 ± 0.0003     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.57714796   | 2.57714796 ± 0.0003     | •        |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |

| Name                                                           | Input Value                    |                |      |
|----------------------------------------------------------------|--------------------------------|----------------|------|
| CmMtrCurr CurrOffAvgCounter Cnt M u16                          | 6598                           |                |      |
| CmMtrCurr CurrOffState Uls M enum                              | CURROFF CALC                   |                |      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 0                              |                |      |
| CmMtrCurr CurroffProcessFlag M enum                            | 1                              |                |      |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 4.4000001                      |                |      |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 4.30000019                     |                |      |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                        | 2.66018128                     |                |      |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 177.184998                     |                |      |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 121.535004                     |                |      |
| CmMtrCurr MtrCurr1SumZero Volt M f32                           | 47839.5703                     |                |      |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                          | 1.70141518                     |                |      |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                          | 2.68251061                     |                |      |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 4.19999981                     |                |      |
| CmMtrCurr MtrCurr2SumHi Volt M f32                             | 39016.2383                     |                |      |
| CmMtrCurr MtrCurr2SumLo Volt M f32                             | 27251.8008                     |                |      |
| CmMtrCurr MtrCurr2SumZero Volt M f32                           | 255.095001                     |                |      |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                          | 51807.4609                     |                |      |
| CmMtrCurr VecuSum Volt M f32                                   | 1178.88501                     |                |      |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr      |                |      |
| k CurrOffNoofAvg Cnt u16                                       | 65                             |                |      |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 0.478582621                    |                |      |
| k MtrCurrEOLMaxOffset Volts f32                                | 2.5685184                      |                |      |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 2.90548134                     |                |      |
| k MtrCurrOffLoComOff Cnt u16                                   | 587                            |                |      |
| tgt CmMtrCurr Per3 ADCMtrCurr1 Volts f32.value                 | 3                              |                |      |
| tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32.value                 | 3                              |                |      |
| tgt CmMtrCurr Per3 MtrVel MtrRadpS f32.value                   | 811.331848                     |                |      |
| tgt CmMtrCurr Per3 Vecu Volt f32.value                         | 19.2174759                     |                |      |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 8.20184326                     |                |      |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 0                              |                |      |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 23393.5                        |                |      |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                | 2.60464764                     |                |      |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                | 3                              |                |      |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32              | 3                              |                |      |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32              | 3                              |                |      |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr1 Volts f32 | tgt CmMtrCurr Per3 ADCMtrCurr  | 1 Volts f32    |      |
| tgt_rte_inst_sa_cmitricum.cm/trCurr_ers_Abcontrcurr_voits_is2  | tgt CmMtrCurr Per3 ADCMtrCurr  |                |      |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16     | tgt CmMtrCurr Per3 ComOffset   |                |      |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32   | tgt CmMtrCurr Per3 MtrVel MtrF | _              |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_t | · <del>-</del> |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kp   |                |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid  |                |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal              | _0.11_190      |      |
|                                                                |                                | Expected Value | Pass |
| Name                                                           | Actual Value                   | Expected Value | Resu |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 6598                           | 6598 ± 1       |      |

| <u> </u>                              | 0 =               |                     |        |
|---------------------------------------|-------------------|---------------------|--------|
| Name                                  | Actual Value      | Expected Value      | Result |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 | 6598              | 6598 ± 1            | ~      |
| CmMtrCurr_CurrOffState_Uls_M_enum     | CURROFF_INTIALISE | CURROFF_INTIALISE   | •      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc   | 0                 | 0                   | •      |
| CmMtrCurr_CurroffProcessFlag_M_enum   | 1                 | 1                   | •      |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 | 4.4000001         | 4.4000001 ± 0.0003  | ~      |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 | 4.30000019        | 4.30000019 ± 0.0003 | •      |

2016-07-24, 12:40:56+0530



| Name                                              | Actual Value | Expected Value            | Result   |
|---------------------------------------------------|--------------|---------------------------|----------|
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 2.66018128   | 2.66018128 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 177.184998   | 177.184998 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 121.535004   | 121.535004 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 47839.5703   | 47839.5703 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 1.70141518   | 1.70141518 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 2.68251061   | 2.68251061 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 4.19999981   | 4.19999981 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 39016.2383   | 39016.2383 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 27251.8008   | 27251.8008 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 255.095001   | 255.095001 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 51807.4609   | 51807.4609 ± 0.001        | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 1178.88501   | 1178.88501 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0            | 0 ± 1                     | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 23393.5      | 23393.5 ± 0.004           | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.60464764   | 2.60464764 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3            | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003                | ~        |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 | 3            | 3 ± 0.0003                | ✓        |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |





| Test Step 2.87 (Repeat Count = 1)                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                   |                                                                                                                                                                                                    | <b>✓</b> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                         | Input Value                                                                                       |                                                                                                                                                                                                    |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                                                                                                                                                                                                                                                                                                                                        | 156                                                                                               |                                                                                                                                                                                                    |          |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                                                                                                                                                                                                                                                                                                                                            | CURROFF_ZEROAVERAGE                                                                               |                                                                                                                                                                                                    |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                                                                                                                                                                                                                                                                                                                                          | 0                                                                                                 |                                                                                                                                                                                                    |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                                                                                                                                                                                                                                                                                                                                          | 3                                                                                                 |                                                                                                                                                                                                    |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                        | 4.5                                                                                               |                                                                                                                                                                                                    |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                        | 4.25479984                                                                                        |                                                                                                                                                                                                    |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                      | 1.78107488                                                                                        |                                                                                                                                                                                                    |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                           | 188.315002                                                                                        |                                                                                                                                                                                                    |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                           | 132.664993<br>110.404999                                                                          |                                                                                                                                                                                                    |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr MtrCurr2OffsetHi Volt M f32                                                                                                                                                                                                                                                                                                                                                                   | 1.58771431                                                                                        |                                                                                                                                                                                                    |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                        | 1.35347366                                                                                        |                                                                                                                                                                                                    |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                      | 4.30000019                                                                                        |                                                                                                                                                                                                    |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                           | 41957.3516                                                                                        |                                                                                                                                                                                                    |          |
| CmMtrCurr MtrCurr2SumLo Volt M f32                                                                                                                                                                                                                                                                                                                                                                                                           | 30192.9102                                                                                        |                                                                                                                                                                                                    |          |
| CmMtrCurr MtrCurr2SumZero Volt M f32                                                                                                                                                                                                                                                                                                                                                                                                         | 266.225006                                                                                        |                                                                                                                                                                                                    |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                        | 44949.707                                                                                         |                                                                                                                                                                                                    |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                 | 1190.01501                                                                                        |                                                                                                                                                                                                    |          |
| Rte Inst Sa CmMtrCurr                                                                                                                                                                                                                                                                                                                                                                                                                        | tgt Rte Inst Sa CmMtrCurr                                                                         |                                                                                                                                                                                                    |          |
| k CurrOffNoofAvg Cnt u16                                                                                                                                                                                                                                                                                                                                                                                                                     | 78                                                                                                |                                                                                                                                                                                                    |          |
| k MaxCurrOffMtrVel RadpS f32                                                                                                                                                                                                                                                                                                                                                                                                                 | 15.8884287                                                                                        |                                                                                                                                                                                                    |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                              | 2.11091685                                                                                        |                                                                                                                                                                                                    |          |
| k MtrCurrEOLMinOffset Volts f32                                                                                                                                                                                                                                                                                                                                                                                                              | 1.32012033                                                                                        |                                                                                                                                                                                                    |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                 | 635                                                                                               |                                                                                                                                                                                                    |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                                                                                                                                                                                                                                                                                                                                                                                               | 0.0905168056                                                                                      |                                                                                                                                                                                                    |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                                                                                                                                                                                                                                                                                                                                                                                               | 0.263404131                                                                                       |                                                                                                                                                                                                    |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                                                                                                                                                                                                                                                                                                                                                                                                 | 509.234589                                                                                        |                                                                                                                                                                                                    |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                                                                                                                                                                                                                                                                                                                                                                                       | 12.2996988                                                                                        |                                                                                                                                                                                                    |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                                                                                                                                                                                                                                                                                                                                                                                      | 96.7021332                                                                                        |                                                                                                                                                                                                    |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                                                                                                                                                                                                                                                                                                                                                                                                  | 0                                                                                                 |                                                                                                                                                                                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                                                                                                                                                                                                                                                                                                                                             | 14402.5557                                                                                        |                                                                                                                                                                                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                              | 1                                                                                                 |                                                                                                                                                                                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                              | 1.94053435                                                                                        |                                                                                                                                                                                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                            | 3                                                                                                 |                                                                                                                                                                                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                            | 1.38115203                                                                                        |                                                                                                                                                                                                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32                                                                                                                                                                                                                                                                                                                                                                               | tgt_CmMtrCurr_Per3_ADCMtrCurr                                                                     | 1_Volts_f32                                                                                                                                                                                        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32                                                                                                                                                                                                                                                                                                                                                                               | tgt_CmMtrCurr_Per3_ADCMtrCurr                                                                     | 2_Volts_f32                                                                                                                                                                                        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                   | tgt_CmMtrCurr_Per3_ComOffset_                                                                     | Cnt_u16                                                                                                                                                                                            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32                                                                                                                                                                                                                                                                                                                                                                                 | tgt_CmMtrCurr_Per3_MtrVel_MtrF                                                                    | RadpS_f32                                                                                                                                                                                          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32                                                                                                                                                                                                                                                                                                                                                                                       | tgt_CmMtrCurr_Per3_Vecu_Volt_f                                                                    | 32                                                                                                                                                                                                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32                                                                                                                                                                                                                                                                                                                                                                                      | tgt_CmMtrCurr_Per3_VehSpd_Kp                                                                      | h_f32                                                                                                                                                                                              |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc                                                                                                                                                                                                                                                                                                                                                                                  | tgt_CmMtrCurr_Per3_VhSpdValid_                                                                    | _Cnt_lgc                                                                                                                                                                                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                                                                                                                                                                                                                                                                                                                                                                                      | tgt_Pim_ShCurrCal                                                                                 |                                                                                                                                                                                                    |          |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                         | Actual Value                                                                                      | Expected Value                                                                                                                                                                                     | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                                                                                                                                                                                                                                                                                                                                        | 156                                                                                               | 156 ± 1                                                                                                                                                                                            | •        |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                                                                                                                                                                                                                                                                                                                                            | CURROFF_INTIALISE                                                                                 | CURROFF_INTIALISE                                                                                                                                                                                  | ~        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                                                                                                                                                                                                                                                                                                                                          | 0                                                                                                 | 0                                                                                                                                                                                                  | •        |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                                                                                                                                                                                                                                                                                                                                          | 3                                                                                                 | 3                                                                                                                                                                                                  | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                        | 4.5                                                                                               | 4.5 ± 0.0003                                                                                                                                                                                       | -        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                        | 4.25479984                                                                                        | 4.25479984 ± 0.0003                                                                                                                                                                                | •        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                      | 1.78107488                                                                                        | 1.78107488 ± 0.0003                                                                                                                                                                                | •        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                           | 188.315002                                                                                        | 188.315002 ± 0.0003                                                                                                                                                                                | •        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                           | 132.664993                                                                                        | 132.664993 ± 0.0003                                                                                                                                                                                | •        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                         | 110.404999                                                                                        | 110.404999 ± 0.0003                                                                                                                                                                                |          |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                                                                                                                                                                                                                                                                                                                                                                                                        | 1.58771431                                                                                        | 1.58771431 ± 0.0003                                                                                                                                                                                | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1 25247266                                                                                        |                                                                                                                                                                                                    |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                        | 1.35347366                                                                                        | 1.35347366 ± 0.0003                                                                                                                                                                                |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32<br>CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                             | 4.30000019                                                                                        | 4.30000019 ± 0.0003                                                                                                                                                                                | •        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                             | 4.30000019<br>41957.3516                                                                          | 4.30000019 ± 0.0003<br>41957.3516 ± 0.0003                                                                                                                                                         | •        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                                                                                                                                                                                                                          | 4.3000019<br>41957.3516<br>30192.9102                                                             | 4.3000019 ± 0.0003<br>41957.3516 ± 0.0003<br>30192.9102 ± 0.0003                                                                                                                                   |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                                                                                                                                                                                                     | 4.3000019<br>41957.3516<br>30192.9102<br>266.225006                                               | 4.3000019 ± 0.0003<br>41957.3516 ± 0.0003<br>30192.9102 ± 0.0003<br>266.225006 ± 0.0003                                                                                                            |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                                                                                                                                               | 4.3000019<br>41957.3516<br>30192.9102<br>266.225006<br>44949.707                                  | 4.3000019 ± 0.0003<br>41957.3516 ± 0.0003<br>30192.9102 ± 0.0003<br>266.225006 ± 0.0003<br>44949.707 ± 0.001                                                                                       |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32                                                                                                                                                                                  | 4.3000019<br>41957.3516<br>30192.9102<br>266.225006<br>44949.707<br>1190.01501                    | 4.3000019 ± 0.0003<br>41957.3516 ± 0.0003<br>30192.9102 ± 0.0003<br>266.225006 ± 0.0003<br>44949.707 ± 0.001<br>1190.01501 ± 0.0009765625                                                          |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                                                                                                                                       | 4.3000019<br>41957.3516<br>30192.9102<br>266.225006<br>44949.707<br>1190.01501                    | 4.3000019 ± 0.0003<br>41957.3516 ± 0.0003<br>30192.9102 ± 0.0003<br>266.225006 ± 0.0003<br>44949.707 ± 0.001<br>1190.01501 ± 0.0009765625<br>0 ± 1                                                 |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrValCmd_VoltCnts_f32                                                                                       | 4.3000019<br>41957.3516<br>30192.9102<br>266.225006<br>44949.707<br>1190.01501                    | $4.3000019 \pm 0.0003$ $41957.3516 \pm 0.0003$ $30192.9102 \pm 0.0003$ $266.225006 \pm 0.0003$ $44949.707 \pm 0.001$ $1190.01501 \pm 0.0009765625$ $0 \pm 1$ $14402.5557 \pm 0.004$                |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 4.3000019<br>41957.3516<br>30192.9102<br>266.225006<br>44949.707<br>1190.01501<br>0<br>14402.5557 | 4.3000019 ± 0.0003<br>41957.3516 ± 0.0003<br>30192.9102 ± 0.0003<br>266.225006 ± 0.0003<br>44949.707 ± 0.001<br>1190.01501 ± 0.0009765625<br>0 ± 1                                                 |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrValCmd_VoltCnts_f32                                                                                       | 4.3000019<br>41957.3516<br>30192.9102<br>266.225006<br>44949.707<br>1190.01501<br>0<br>14402.5557 | $4.3000019 \pm 0.0003$ $41957.3516 \pm 0.0003$ $30192.9102 \pm 0.0003$ $266.225006 \pm 0.0003$ $44949.707 \pm 0.001$ $1190.01501 \pm 0.0009765625$ $0 \pm 1$ $14402.5557 \pm 0.004$ $1 \pm 0.0003$ |          |



| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.88 (Repeat Count = 1)                              |                                          |                                        | <b>√</b> |  |
|----------------------------------------------------------------|------------------------------------------|----------------------------------------|----------|--|
| Name                                                           | Input Value                              | Input Value                            |          |  |
| CmMtrCurr CurrOffAvgCounter Cnt M u16                          | 324                                      | •                                      |          |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF CALC                             |                                        |          |  |
| CmMtrCurr CurrOffTrimFlag Cnt M lgc                            | 0                                        | _                                      |          |  |
| CmMtrCurr CurroffProcessFlag M enum                            | 2                                        |                                        |          |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 1.96751535                               |                                        |          |  |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 4.65889978                               |                                        |          |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 2.08536386                               |                                        |          |  |
| CmMtrCurr MtrCurr1SumHi Volt M f32                             | 199.445007                               |                                        |          |  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 143.794998                               |                                        |          |  |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 121.535004                               |                                        |          |  |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                          | 1.11344814                               |                                        |          |  |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                          | 1.7515341                                |                                        |          |  |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32                        | 4.400001                                 |                                        |          |  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 121.535004                               |                                        |          |  |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 33134.0195                               |                                        |          |  |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 277.355011                               |                                        |          |  |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 79444.0391                               |                                        |          |  |
| CmMtrCurr VecuSum Volt M f32                                   | 1201.14502                               |                                        |          |  |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr                |                                        |          |  |
| k CurrOffNoofAvg Cnt u16                                       | 98                                       |                                        |          |  |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | -1.74571145                              |                                        |          |  |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 3                                        |                                        |          |  |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 2.75741673                               |                                        |          |  |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 578                                      |                                        |          |  |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 2.17344236                               |                                        |          |  |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 0.246088982                              |                                        |          |  |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | -458.121368                              |                                        |          |  |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 20.6917629                               | 20.6917629                             |          |  |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 35.2481384                               |                                        |          |  |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 0                                        |                                        |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 72285.4297                               | 72285.4297                             |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                                        | 3                                      |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.72539854                               | 2.72539854                             |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1.00565732                               |                                        |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                                        |                                        |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 |                                        |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 |                                        |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_0           | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16   |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrR           | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f3          | tgt_CmMtrCurr_Per3_Vecu_Volt_f32       |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph            | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32      |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_           | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc  |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                        |                                        |          |  |
| Name                                                           | Actual Value                             | Expected Value                         | Resul    |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 324                                      | 324 ± 1                                |          |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE                        | CURROFF_INTIALISE                      | •        |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 0                                        | 0                                      | •        |  |
| CmMtrCurr CurroffProcessFlag M enum                            | 2                                        | 2                                      | _        |  |

| igi_rtte_mst_oa_cmwitoun:rim_onounoar      | ig_i iii_ollouloul |                           |        |
|--------------------------------------------|--------------------|---------------------------|--------|
| Name                                       | Actual Value       | Expected Value            | Result |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16      | 324                | 324 ± 1                   | ~      |
| CmMtrCurr_CurrOffState_Uls_M_enum          | CURROFF_INTIALISE  | CURROFF_INTIALISE         | •      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc        | 0                  | 0                         | •      |
| CmMtrCurr_CurroffProcessFlag_M_enum        | 2                  | 2                         | •      |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32      | 1.96751535         | 1.96751535 ± 0.0003       | •      |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32      | 4.65889978         | 4.65889978 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32    | 2.08536386         | 2.08536386 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32         | 199.445007         | 199.445007 ± 0.0003       | •      |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32         | 143.794998         | 143.794998 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32       | 121.535004         | 121.535004 ± 0.0003       | •      |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32      | 1.11344814         | 1.11344814 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32      | 1.7515341          | 1.7515341 ± 0.0003        | •      |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32    | 4.4000001          | 4.4000001 ± 0.0003        | •      |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32         | 121.535004         | 121.535004 ± 0.0003       | •      |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         | 33134.0195         | 33134.0195 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32       | 277.355011         | 277.355011 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32      | 79444.0391         | 79444.0391 ± 0.001        | ~      |
| CmMtrCurr_VecuSum_Volt_M_f32               | 1201.14502         | 1201.14502 ± 0.0009765625 | ~      |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value | 0                  | 0 ± 1                     | ~      |





| Name                                              | Actual Value | Expected Value      | Result   |
|---------------------------------------------------|--------------|---------------------|----------|
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 72285.4297   | 72285.4297 ± 0.004  | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3            | 3 ± 0.0003          | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.72539854   | 2.72539854 ± 0.0003 | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.00565732   | 1.00565732 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003          | ✓        |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.89 (Repeat Count = 1)                              |                            |                  | <b>✓</b> |
|----------------------------------------------------------------|----------------------------|------------------|----------|
| Name                                                           | Input Value                |                  |          |
| CmMtrCurr CurrOffAvgCounter Cnt M u16                          | 852                        |                  |          |
| CmMtrCurr CurrOffState Uls M enum                              | CURROFF INTIALISE          |                  |          |
| CmMtrCurr CurrOffTrimFlag Cnt M lgc                            | 0                          |                  |          |
| CmMtrCurr CurroffProcessFlag M enum                            | 3                          |                  |          |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 3                          |                  |          |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 4.21400023                 |                  |          |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                        | 1.85310507                 |                  |          |
| CmMtrCurr MtrCurr1SumHi Volt M f32                             | 210.574997                 |                  |          |
| CmMtrCurr MtrCurr1SumLo Volt M f32                             | 154.925003                 |                  |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 132.664993                 |                  |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 1.04485273                 |                  |          |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                          | 2.13700366                 |                  |          |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32                        | 4.5                        |                  |          |
| CmMtrCurr MtrCurr2SumHi Volt M f32                             | 132.664993                 |                  |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 36075.1289                 |                  |          |
| CmMtrCurr MtrCurr2SumZero Volt M f32                           | 288.484985                 |                  |          |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                          | 29199.0156                 |                  |          |
| CmMtrCurr VecuSum Volt M f32                                   | 1212.27502                 |                  |          |
| Rte Inst Sa CmMtrCurr                                          | tgt Rte Inst Sa CmMtrCurr  |                  |          |
| k CurrOffNoofAvg Cnt u16                                       | 200                        |                  |          |
| k MaxCurrOffMtrVel RadpS f32                                   | 14.0580149                 |                  |          |
| _ · -                                                          | 3                          |                  |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                |                            |                  |          |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 2.96438789                 |                  |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 550                        |                  |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 3                          |                  |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 3                          |                  |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 155.577271                 |                  |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 10.6618719                 |                  |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 167.469498                 |                  |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 0                          |                  |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 57071.4023                 |                  |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 2.0999999                  |                  |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 1.69777119                 |                  |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 3                          |                  |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                          |                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr  |                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr  | *Curr2_Volts_f32 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOff  | set_Cnt_u16      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_ | MtrRadpS_f32     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_V  | olt_f32          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpc  | I_Kph_f32        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpd\  | /alid_Cnt_lgc    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal          |                  |          |
| Name                                                           | Actual Value               | Expected Value   | Result   |
| CmMtrCurr CurrOffAvaCounter Cnt M u16                          | 852                        | 952 ± 1          | -        |

| Name                                    | Actual Value      | Expected Value      | Result   |
|-----------------------------------------|-------------------|---------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 852               | 852 ± 1             | <b>✓</b> |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_INTIALISE | CURROFF_INTIALISE   | ✓        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 0                 | 0                   | ✓        |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3                 | 3                   | ✓        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 3                 | 3 ± 0.0003          | ✓        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 4.21400023        | 4.21400023 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 1.85310507        | 1.85310507 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 210.574997        | 210.574997 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 154.925003        | 154.925003 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 132.664993        | 132.664993 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 1.04485273        | 1.04485273 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 2.13700366        | 2.13700366 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 4.5               | 4.5 ± 0.0003        | <b>✓</b> |

CmMtrCurr\_Per3



| Name                                              | Actual Value | Expected Value            | Result   |
|---------------------------------------------------|--------------|---------------------------|----------|
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 132.664993   | 132.664993 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 36075.1289   | 36075.1289 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 288.484985   | 288.484985 ± 0.0003       | ✓        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 29199.0156   | 29199.0156 ± 0.001        | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 1212.27502   | 1212.27502 ± 0.0009765625 | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0            | 0 ± 1                     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 57071.4023   | 57071.4023 ± 0.004        | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.0999999    | 2.0999999 ± 0.0003        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.69777119   | 1.69777119 ± 0.0003       | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003                | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.90 (Repeat Count = 1) Name                         | Input Value                 |                 |        |
|----------------------------------------------------------------|-----------------------------|-----------------|--------|
| CmMtrCurr CurrOffAvgCounter Cnt M u16                          | 789                         |                 |        |
| CmMtrCurr CurrOffState Uls M enum                              | CURROFF HIAVERAGE           |                 |        |
| CmMtrCurr CurrOffTrimFlag Cnt M Igc                            | 0                           |                 |        |
| CmMtrCurr CurroffProcessFlag M enum                            | 0                           |                 |        |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 3                           |                 |        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 3                           |                 |        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 1.31556726                  |                 |        |
| CmMtrCurr MtrCurr1SumHi Volt M f32                             | 2.01227355                  |                 |        |
| CmMtrCurr MtrCurr1SumLo Volt M f32                             | 166.054993                  |                 |        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 143.794998                  |                 |        |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                          | 2.53732085                  |                 |        |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                          | 2.804142                    |                 |        |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32                        | 4.5999999                   |                 |        |
|                                                                | 44898.4609                  |                 |        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 39016.2383                  |                 |        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 299.61499                   |                 |        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           |                             |                 |        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 55220.6094                  |                 |        |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 1223.40503                  |                 |        |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr   |                 |        |
| k_CurrOffNoofAvg_Cnt_u16                                       | 240                         |                 |        |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 13.8804178                  |                 |        |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 2.32540631                  |                 |        |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 2.09939456                  |                 |        |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 560                         |                 |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 1.72104454                  |                 |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 1.51841879                  |                 |        |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | -259.473541                 |                 |        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 7.12514019                  |                 |        |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 39.2272949                  |                 |        |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                           |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 22414.6309                  |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                           |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 1                           |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1.99420547                  |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                           |                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr0  | Curr1_Volts_f32 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr0  | Curr2_Volts_f32 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffs  | et_Cnt_u16      |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_N | /trRadpS_f32    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Vc  | olt_f32         |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_  | _Kph_f32        |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdVa  | alid_Cnt_lgc    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal           |                 |        |
| Name                                                           | Actual Value                | Expected Value  | Result |
| CmMtrCurr CurrOffAvaCounter Cnt M u16                          | 790                         | 790 + 1         |        |

| Name                                    | Actual Value      | Expected Value      | Result   |
|-----------------------------------------|-------------------|---------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 789               | 789 ± 1             | <b>✓</b> |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_INTIALISE | CURROFF_INTIALISE   | ✓        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 0                 | 0                   | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 0                 | 0                   | ✓        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 3                 | 3 ± 0.0003          | ✓        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 3                 | 3 ± 0.0003          | ✓        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 1.31556726        | 1.31556726 ± 0.0003 | <u> </u> |





| Name                                              | Actual Value | Expected Value            | Result   |
|---------------------------------------------------|--------------|---------------------------|----------|
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 2.01227355   | 2.01227355 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 166.054993   | 166.054993 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 143.794998   | 143.794998 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 2.53732085   | 2.53732085 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 2.804142     | 2.804142 ± 0.0003         | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 4.5999999    | 4.5999999 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 44898.4609   | 44898.4609 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 39016.2383   | 39016.2383 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 299.61499    | 299.61499 ± 0.0003        | •        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 55220.6094   | 55220.6094 ± 0.001        | •        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 1223.40503   | 1223.40503 ± 0.0009765625 | •        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0            | 0 ± 1                     | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 22414.6309   | 22414.6309 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3            | 3 ± 0.0003                | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1            | 1 ± 0.0003                | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.99420547   | 1.99420547 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003                | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| Took Stan 2.04 (Paraget Count = 4)                                                                |                             |                  |                |  | -0       |
|---------------------------------------------------------------------------------------------------|-----------------------------|------------------|----------------|--|----------|
| Test Step 2.91 (Repeat Count = 1)                                                                 |                             |                  |                |  |          |
| Name                                                                                              | Input Value                 |                  |                |  |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                             | 321                         |                  |                |  |          |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                 | CURROFF_ZEROAVERAGE         | -                |                |  |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                               | 1                           |                  |                |  |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                               | 3                           |                  |                |  |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                             | 4.19999981                  |                  |                |  |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                             | 1.59559977                  |                  |                |  |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                           | 2.69362235                  |                  |                |  |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                | 1.83543706                  |                  |                |  |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                | 12546.25                    |                  |                |  |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                              | 154.925003                  |                  |                |  |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                             | 3                           |                  |                |  |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                             | 2.64458537                  |                  |                |  |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                           | 4.69999981                  |                  |                |  |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                | 47839.5703                  |                  |                |  |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                | 41957.3516                  |                  |                |  |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                              | 310.744995                  |                  |                |  |          |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                                                             | 6291.93994                  |                  |                |  |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                                                      | 1234.53503                  |                  |                |  |          |
| Rte Inst Sa CmMtrCurr                                                                             | tgt_Rte_Inst_Sa_CmMtrCurr   |                  |                |  |          |
| k CurrOffNoofAvg Cnt u16                                                                          | 256                         |                  |                |  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                                                                      | -17.1000347                 |                  |                |  |          |
| k MtrCurrEOLMaxOffset Volts f32                                                                   | 2.48356295                  |                  |                |  |          |
| k MtrCurrEOLMinOffset Volts f32                                                                   | 1.48911309                  |                  |                |  |          |
| k MtrCurrOffLoComOff Cnt u16                                                                      | 570                         |                  |                |  |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                                                    | 2.7117908                   |                  |                |  |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                                                    | 1.85433602                  |                  |                |  |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                                                      | -952.268921                 |                  |                |  |          |
| tgt CmMtrCurr Per3 Vecu Volt f32.value                                                            | 29.1770477                  |                  |                |  |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                                           | 50.6882782                  |                  |                |  |          |
| tgt CmMtrCurr Per3 VhSpdValid Cnt Igc.value                                                       | 1                           |                  |                |  |          |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32                                                  | 62277.6992                  |                  |                |  |          |
|                                                                                                   | 2.35439801                  |                  |                |  |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                                   | 3                           |                  |                |  |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.68871355                  |                  |                |  |          |
|                                                                                                   | 1.77594244                  |                  |                |  |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                                 |                             | Curred Valley fo | 2              |  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32                                    | tgt_CmMtrCurr_Per3_ADCMtr0  |                  |                |  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32                                    | tgt_CmMtrCurr_Per3_ADCMtr0  |                  | ۷              |  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16                                        | tgt_CmMtrCurr_Per3_ComOffs  |                  |                |  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32                                      | tgt_CmMtrCurr_Per3_MtrVel_N | . –              |                |  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32                                            | tgt_CmMtrCurr_Per3_Vecu_Vc  | _                |                |  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32                                           | tgt_CmMtrCurr_Per3_VehSpd_  |                  |                |  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc                                       | tgt_CmMtrCurr_Per3_VhSpdVa  | alid_Cnt_lgc     |                |  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                                           | tgt_Pim_ShCurrCal           |                  |                |  |          |
| Name                                                                                              | Actual Value                |                  | Expected Value |  | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                             | 321                         |                  | 321 ± 1        |  | <b>~</b> |





| Name                                              | Actual Value      | Expected Value            | Result   |
|---------------------------------------------------|-------------------|---------------------------|----------|
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_INTIALISE | CURROFF_INTIALISE         | ~        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 0                 | 0                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 3                 | 3                         | •        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 4.19999981        | 4.19999981 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 1.59559977        | 1.59559977 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 2.69362235        | 2.69362235 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 1.83543706        | 1.83543706 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 12546.25          | 12546.25 ± 0.0003         | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 154.925003        | 154.925003 ± 0.0003       | <b>~</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 2.64458537        | 2.64458537 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 4.69999981        | 4.69999981 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 47839.5703        | 47839.5703 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 41957.3516        | 41957.3516 ± 0.0003       | <b>~</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 310.744995        | 310.744995 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 6291.93994        | 6291.93994 ± 0.001        | <b>~</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 1234.53503        | 1234.53503 ± 0.0009765625 | •        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                 | 0 ± 1                     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 62277.6992        | 62277.6992 ± 0.004        | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.35439801        | 2.35439801 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.68871355        | 2.68871355 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.77594244        | 1.77594244 ± 0.0003       | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |          |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|--|
| Actual Function                               | Count | Expected Function                             | Count | Result   |  |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |  |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |  |

| Test Step 2.92 (Repeat Count = 1)                              | ✓ • • • • • • • • • • • • • • • • • • •  |
|----------------------------------------------------------------|------------------------------------------|
| Name                                                           | Input Value                              |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 456                                      |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_HIAVERAGE                        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 0                                        |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 2                                        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 4.30000019                               |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 1.03742397                               |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 2.07563138                               |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 2.45438623                               |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 15487.3604                               |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 166.054993                               |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 2.29236197                               |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 2.66018128                               |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 2.79071116                               |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 166.054993                               |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 44898.4609                               |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 2.16658521                               |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 60669.5625                               |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 1245.66504                               |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr                |
| k_CurrOffNoofAvg_Cnt_u16                                       | 201                                      |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 3.81855488                               |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 1.37243581                               |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 3                                        |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 580                                      |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 2.00981569                               |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 0.478176117                              |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | -720.601807                              |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 8.00868893                               |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 96.1022034                               |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 0                                        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 10008.6699                               |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                                        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.0999999                                |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.74733996                               |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 2.06780672                               |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16     |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   |





| Name                                                        | Input Value                    |                           |          |
|-------------------------------------------------------------|--------------------------------|---------------------------|----------|
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32      | tgt_CmMtrCurr_Per3_Vecu_Volt_t | f32                       |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32     | tgt_CmMtrCurr_Per3_VehSpd_Kp   | h_f32                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc | tgt_CmMtrCurr_Per3_VhSpdValid  | _Cnt_lgc                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                     | tgt_Pim_ShCurrCal              |                           |          |
| Name                                                        | Actual Value                   | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                       | 456                            | 456 ± 1                   | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                           | CURROFF_INTIALISE              | CURROFF_INTIALISE         | ~        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                         | 0                              | 0                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum                         | 2                              | 2                         | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                       | 4.30000019                     | 4.30000019 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                       | 1.03742397                     | 1.03742397 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                     | 2.07563138                     | 2.07563138 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                          | 2.45438623                     | 2.45438623 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                          | 15487.3604                     | 15487.3604 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                        | 166.054993                     | 166.054993 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                       | 2.29236197                     | 2.29236197 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                       | 2.66018128                     | 2.66018128 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                     | 2.79071116                     | 2.79071116 ± 0.0003       | <b>~</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                          | 166.054993                     | 166.054993 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                          | 44898.4609                     | 44898.4609 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                        | 2.16658521                     | 2.16658521 ± 0.0003       | •        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                       | 60669.5625                     | 60669.5625 ± 0.001        | •        |
| CmMtrCurr_VecuSum_Volt_M_f32                                | 1245.66504                     | 1245.66504 ± 0.0009765625 | •        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                  | 0                              | 0 ± 1                     | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32            | 10008.6699                     | 10008.6699 ± 0.004        | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32             | 3                              | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32             | 2.0999999                      | 2.0999999 ± 0.0003        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32           | 2.74733996                     | 2.74733996 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32           | 2.06780672                     | 2.06780672 ± 0.0003       | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>~</b> |

| Test Step 2.93 (Repeat Count = 1)                | ✓                         |
|--------------------------------------------------|---------------------------|
| Name                                             | Input Value               |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16            | 987                       |
| CmMtrCurr_CurrOffState_Uls_M_enum                | CURROFF_CALC              |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc              | 1                         |
| CmMtrCurr_CurroffProcessFlag_M_enum              | 3                         |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32            | 4.4000001                 |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32            | 1.80502975                |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32          | 2                         |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32               | 3                         |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32               | 18428.4707                |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32             | 177.184998                |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32            | 2.14946866                |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32            | 1.78107488                |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32          | 3                         |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32               | 177.184998                |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32               | 47839.5703                |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32             | 2.70221376                |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32            | 29760.0313                |
| CmMtrCurr_VecuSum_Volt_M_f32                     | 1256.79504                |
| Rte_Inst_Sa_CmMtrCurr                            | tgt_Rte_Inst_Sa_CmMtrCurr |
| k_CurrOffNoofAvg_Cnt_u16                         | 287                       |
| k_MaxCurrOffMtrVel_RadpS_f32                     | 0.81858474                |
| k_MtrCurrEOLMaxOffset_Volts_f32                  | 2.67829013                |
| k_MtrCurrEOLMinOffset_Volts_f32                  | 2.24850631                |
| k_MtrCurrOffLoComOff_Cnt_u16                     | 590                       |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value   | 2.05495                   |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value   | 0.461880445               |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value     | 134.241531                |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value           | 22.614172                 |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value          | 24.4698029                |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value      | 0                         |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 | 19855.9141                |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  | 1.38177371                |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32  | 3                         |





| Name                                                           | Input Value                     |                           |          |
|----------------------------------------------------------------|---------------------------------|---------------------------|----------|
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1                               |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1.12464821                      |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr   | 1_Volts_f32               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr   | 2_Volts_f32               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_0  | Cnt_u16                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrR  | adpS_f32                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f3 | 32                        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph   | n_f32                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_  | _Cnt_lgc                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal               |                           |          |
| Name                                                           | Actual Value                    | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 987                             | 987 ± 1                   | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE               | CURROFF_INTIALISE         | ~        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 0                               | 0                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 3                               | 3                         | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 4.4000001                       | 4.4000001 ± 0.0003        | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 1.80502975                      | 1.80502975 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 2                               | 2 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 3                               | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 18428.4707                      | 18428.4707 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 177.184998                      | 177.184998 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 2.14946866                      | 2.14946866 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 1.78107488                      | 1.78107488 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 3                               | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 177.184998                      | 177.184998 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 47839.5703                      | 47839.5703 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 2.70221376                      | 2.70221376 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 29760.0313                      | 29760.0313 ± 0.001        | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 1256.79504                      | 1256.79504 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                     | 0                               | 0 ± 1                     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 19855.9141                      | 19855.9141 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 1.38177371                      | 1.38177371 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                               | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1                               | 1 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1.12464821                      | 1.12464821 ± 0.0003       | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | ✓      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |

| Test Step 2.94 (Repeat Count = 1)              | <b>✓</b>                  |
|------------------------------------------------|---------------------------|
| Name                                           | Input Value               |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16          | 123                       |
| CmMtrCurr_CurrOffState_Uls_M_enum              | CURROFF_CALC              |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc            | 1                         |
| CmMtrCurr_CurroffProcessFlag_M_enum            | 3                         |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32          | 4.5                       |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32          | 4.98750019                |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32        | 3                         |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32             | 2.99468088                |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32             | 21369.5801                |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32           | 188.315002                |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32          | 1.04940093                |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32          | 2.08536386                |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32        | 2.70995927                |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32             | 188.315002                |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32             | 154.925003                |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32           | 1.48992085                |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32          | 822.058472                |
| CmMtrCurr_VecuSum_Volt_M_f32                   | 1267.92505                |
| Rte_Inst_Sa_CmMtrCurr                          | tgt_Rte_Inst_Sa_CmMtrCurr |
| k_CurrOffNoofAvg_Cnt_u16                       | 369                       |
| k_MaxCurrOffMtrVel_RadpS_f32                   | 12.4886007                |
| k_MtrCurrEOLMaxOffset_Volts_f32                | 1.65580761                |
| k_MtrCurrEOLMinOffset_Volts_f32                | 1.22726393                |
| k_MtrCurrOffLoComOff_Cnt_u16                   | 600                       |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value | 1.85192013                |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value | 0.695093632               |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value   | 326.11499                 |

CmMtrCurr\_Per3



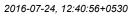
| Name                                                           | Input Value                |                 |        |
|----------------------------------------------------------------|----------------------------|-----------------|--------|
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 29.3090153                 |                 |        |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 157.538879                 |                 |        |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 0                          |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 26188.6523                 |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                          |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                          |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 3                          |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                          |                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr  | Curr1_Volts_f32 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr  | Curr2_Volts_f32 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOff  | set_Cnt_u16     |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_ | MtrRadpS_f32    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_V  | olt_f32         |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpc  | _Kph_f32        |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpd\  | /alid_Cnt_lgc   |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal          |                 |        |
| Namo                                                           | Actual Value               | Expected Value  | Pocult |

| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal |                           |          |
|---------------------------------------------------|-------------------|---------------------------|----------|
| Name                                              | Actual Value      | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 123               | 123 ± 1                   | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_INTIALISE | CURROFF_INTIALISE         | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 0                 | 0                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 3                 | 3                         | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 4.5               | 4.5 ± 0.0003              | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 4.98750019        | 4.98750019 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 3                 | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 2.99468088        | 2.99468088 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 21369.5801        | 21369.5801 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 188.315002        | 188.315002 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 1.04940093        | 1.04940093 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 2.08536386        | 2.08536386 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.70995927        | 2.70995927 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 188.315002        | 188.315002 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 154.925003        | 154.925003 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 1.48992085        | 1.48992085 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 822.058472        | 822.058472 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 1267.92505        | 1267.92505 ± 0.0009765625 | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                 | 0 ± 1                     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 26188.6523        | 26188.6523 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003                | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                 | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                 | 3 ± 0.0003                | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |

| Test Step 2.95 (Repeat Count = 1)       |                           | <b>~</b> |
|-----------------------------------------|---------------------------|----------|
| Name                                    | Input Value               |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 654                       |          |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_CALC              |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 0                         |          |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3                         |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 3                         |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 4.65799999                |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 1                         |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 3                         |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 24310.6895                |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 1.25644183                |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 3                         |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 1.85310507                |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 2.47229958                |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32      | 199.445007                |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32      | 166.054993                |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32    | 1.7490567                 |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32   | 27630.3457                |          |
| CmMtrCurr_VecuSum_Volt_M_f32            | 1279.05505                |          |
| Rte_Inst_Sa_CmMtrCurr                   | tgt_Rte_Inst_Sa_CmMtrCurr |          |
| k_CurrOffNoofAvg_Cnt_u16                | 758                       |          |
| k_MaxCurrOffMtrVel_RadpS_f32            | -2.34426165               |          |

CmMtrCurr\_Per3





| Name                                                           | Input Value                     |                           |          |
|----------------------------------------------------------------|---------------------------------|---------------------------|----------|
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 2.6005137                       |                           |          |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 1.91483116                      |                           |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 610                             |                           |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 1.4138906                       |                           |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 0.192475557                     |                           |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | -1036.52832                     |                           |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 11.2531099                      |                           |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 179.816025                      |                           |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 0                               |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 74569.2109                      |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                               |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.8537457                       |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.0999999                       |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1.95220804                      |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1  | _Volts_f32                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2  | _Volts_f32                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_C  | nt_u16                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRa | adpS_f32                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f3 | 2                         |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph   | _f32                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_0 | Cnt_lgc                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal               |                           |          |
| Name                                                           | Actual Value                    | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 654                             | 654 ± 1                   | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE               | CURROFF_INTIALISE         | ~        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 0                               | 0                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 3                               | 3                         | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 3                               | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 4.65799999                      | 4.65799999 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 1                               | 1 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 3                               | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 24310.6895                      | 24310.6895 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 1.25644183                      | 1.25644183 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 3                               | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 1.85310507                      | 1.85310507 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 2.47229958                      | 2.47229958 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 199.445007                      | 199.445007 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 166.054993                      | 166.054993 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 1.7490567                       | 1.7490567 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 27630.3457                      | 27630.3457 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 1279.05505                      | 1279.05505 ± 0.0009765625 | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                     | 0                               | 0 ± 1                     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 74569.2109                      | 74569.2109 ± 0.004        | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                               | 3 ± 0.0003                | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.8537457                       | 2.8537457 ± 0.0003        | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.0999999                       | 2.0999999 ± 0.0003        | ~        |
|                                                                |                                 |                           |          |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

1.95220804

1.95220804 ± 0.0003

| Test Step 2.96 (Repeat Count = 1)       |              | <b>✓</b> |
|-----------------------------------------|--------------|----------|
| Name                                    | Input Value  |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 789          |          |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_CALC |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1            |          |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3            |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 2.89549541   |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 3            |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 2            |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 2.40884519   |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 27251.8008   |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 2.13619637   |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 3            |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 1.31556726   |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 1.78107488   |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32      | 2.88888454   |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32      | 177.184998   |          |

 $tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32$ 

CmMtrCurr\_Per3

2016-07-24, 12:40:56+0530



Input Value  $CmMtrCurr\_MtrCurr2SumZero\_Volt\_M\_f32$ 2.07448936 CmMtrCurr\_MtrCurrValCmd\_VoltCnt\_M\_f32 42221.3203 CmMtrCurr\_VecuSum\_Volt\_M\_f32 1290.18506 Rte\_Inst\_Sa\_CmMtrCurr tgt\_Rte\_Inst\_Sa\_CmMtrCurr k\_CurrOffNoofAvg\_Cnt\_u16 965 k\_MaxCurrOffMtrVel\_RadpS\_f32 20 k\_MtrCurrEOLMaxOffset\_Volts\_f32 1.44712067  $k\_MtrCurrEOLMinOffset\_Volts\_f32$ 3 k\_MtrCurrOffLoComOff\_Cnt\_u16 620 1 61933661 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32.value tgt\_CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32.value 2.85926533 tgt\_CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32.value 835 908203 tgt\_CmMtrCurr\_Per3\_Vecu\_Volt\_f32.value 30.6474495 tgt CmMtrCurr Per3 VehSpd Kph f32.value 112 531464 tgt\_CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc.value 2294.66455  $tgt\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32$  $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32$ 1.19391191 tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32 2.51261997  $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32$ 3 tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32$ tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16 tgt\_CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32 tgt\_CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_Vecu\_Volt\_f32 tgt\_CmMtrCurr\_Per3\_Vecu\_Volt\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_VehSpd\_Kph\_f32$ tgt\_CmMtrCurr\_Per3\_VehSpd\_Kph\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc$ tgt\_CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_ShCurrCal tgt\_Pim\_ShCurrCal

| ig_rite_ms_ca_cmina carri im_oncarrear            | tgt_i iii_oilodiiodi |                           |          |
|---------------------------------------------------|----------------------|---------------------------|----------|
| Name                                              | Actual Value         | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 789                  | 789 ± 1                   | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_INTIALISE    | CURROFF_INTIALISE         | ✓        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 0                    | 0                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 3                    | 3                         | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 2.89549541           | 2.89549541 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 3                    | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 2                    | 2 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 2.40884519           | 2.40884519 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 27251.8008           | 27251.8008 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 2.13619637           | 2.13619637 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                    | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 1.31556726           | 1.31556726 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 1.78107488           | 1.78107488 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 2.88888454           | 2.88888454 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 177.184998           | 177.184998 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 2.07448936           | 2.07448936 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 42221.3203           | 42221.3203 ± 0.001        | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 1290.18506           | 1290.18506 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                    | 0 ± 1                     | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 2294.66455           | 2294.66455 ± 0.004        | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.19391191           | 1.19391191 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.51261997           | 2.51261997 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                    | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1                    | 1 ± 0.0003                | ~        |
|                                                   |                      |                           |          |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | •      |

| Test Step 2.97 (Repeat Count = 1)       |                   | <b>✓</b> |
|-----------------------------------------|-------------------|----------|
| Name                                    | Input Value       |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 258               |          |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_INTIALISE |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                 |          |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 1                 |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 2.84897995        |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 2.87566257        |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 3                 |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 1.98715258        |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 30192.9102        |          |

2016-07-24, 12:40:56+0530



| CmMtrCurr_Per3                                                 |                                |                     | MACUITAT |
|----------------------------------------------------------------|--------------------------------|---------------------|----------|
| Name                                                           | Input Value                    |                     |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 3                              |                     |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 3                              |                     |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 2.69362235                     |                     |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 3.32500005                     |                     |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 2.51541853                     |                     |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 188.315002                     |                     |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 3                              |                     |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 48405.0742                     |                     |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 1301.31494                     |                     |          |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr      |                     |          |
| k_CurrOffNoofAvg_Cnt_u16                                       | 425                            |                     |          |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | -14.1836586                    |                     |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 1.92762423                     |                     |          |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 1.8978399                      |                     |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 630                            |                     |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 1.07892632                     |                     |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 2.13208938                     |                     |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 154.766327                     |                     |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 27.8470592                     |                     |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 107.744522                     |                     |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 0                              |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 55517.6172                     |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 2.69640589                     |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.25554037                     |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.41780448                     |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                              |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCur   | r1_Volts_f32        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCur   | r2_Volts_f32        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_  | _Cnt_u16            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrF | RadpS_f32           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_  | f32                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kp   | h_f32               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid  | _Cnt_lgc            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal              |                     |          |
| Name                                                           | Actual Value                   | Expected Value      | Resul    |
| CmMtrCurr CurrOffAvgCounter Cnt M u16                          | 258                            | 258 ± 1             |          |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE              | CURROFF_INTIALISE   |          |
| CmMtrCurr CurrOffTrimFlag Cnt M lgc                            | 0                              | 0                   |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 3                              | 3                   |          |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 2.84897995                     | 2.84897995 ± 0.0003 |          |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 2.87566257                     | 2.87566257 ± 0.0003 |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 3                              | 3 ± 0.0003          |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 1.98715258                     | 1.98715258 ± 0.0003 |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 30192.9102                     | 30192.9102 ± 0.0003 |          |
| CmMtrCurr MtrCurr1SumZero Volt M f32                           | 3                              | 3 ± 0.0003          |          |
| Condition of the Court Control is Volta M 622                  | 2                              | 2 + 0.0003          |          |

| Name                                              | Actual Value      | Expected Value            | Result   |
|---------------------------------------------------|-------------------|---------------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 258               | 258 ± 1                   | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_INTIALISE | CURROFF_INTIALISE         | ~        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 0                 | 0                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 3                 | 3                         | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 2.84897995        | 2.84897995 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 2.87566257        | 2.87566257 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 3                 | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 1.98715258        | 1.98715258 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 30192.9102        | 30192.9102 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 3                 | 3 ± 0.0003                | •        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 2.69362235        | 2.69362235 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 3.32500005        | 3.32500005 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 2.51541853        | 2.51541853 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 188.315002        | 188.315002 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 3                 | 3 ± 0.0003                | •        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 48405.0742        | 48405.0742 ± 0.001        | •        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 1301.31494        | 1301.31494 ± 0.0009765625 | •        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                 | 0 ± 1                     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 55517.6172        | 55517.6172 ± 0.004        | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.69640589        | 2.69640589 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.25554037        | 2.25554037 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.41780448        | 2.41780448 ± 0.0003       | ~        |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 | 3                 | 3 ± 0.0003                | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | •      |

| Test Step 2.98 (Repeat Count = 1)     |              | <b>✓</b> |
|---------------------------------------|--------------|----------|
| Name                                  | Input Value  |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 | 963          |          |
| CmMtrCurr_CurrOffState_Uls_M_enum     | CURROFF_CALC |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc   | 0            |          |

2016-07-24, 12:40:56+0530



| Chilwid Guri_Fers                                              |                                 |                     | TOILCITORIO |
|----------------------------------------------------------------|---------------------------------|---------------------|-------------|
| Name                                                           | Input Value                     |                     |             |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 2                               |                     |             |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 1.54913402                      |                     |             |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 1.94442797                      |                     |             |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                        | 1                               |                     |             |
| CmMtrCurr MtrCurr1SumHi Volt M f32                             | 3                               |                     |             |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 33134.0195                      |                     |             |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 3                               |                     |             |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                          | 2.62846303                      |                     |             |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                          | 2.07563138                      |                     |             |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32                        | 2.06366134                      |                     |             |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 1.73499858                      |                     |             |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 3                               |                     |             |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 3                               |                     |             |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                          | 74986.2109                      |                     |             |
| CmMtrCurr VecuSum Volt M f32                                   | 7.39995432                      |                     |             |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr       |                     |             |
| k_CurrOffNoofAvg_Cnt_u16                                       | 852                             |                     |             |
| k MaxCurrOffMtrVel RadpS f32                                   | 7.57663059                      |                     |             |
| k MtrCurrEOLMaxOffset Volts f32                                | 3                               |                     |             |
| k MtrCurrEOLMinOffset Volts f32                                | 3                               |                     |             |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 640                             |                     |             |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 0.222373962                     |                     |             |
| tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32.value                 | 2.24403715                      |                     |             |
| tgt CmMtrCurr Per3 MtrVel MtrRadpS f32.value                   | -314.374207                     |                     |             |
| tgt CmMtrCurr Per3 Vecu Volt f32.value                         | 16.912838                       |                     |             |
| tgt CmMtrCurr Per3 VehSpd Kph f32.value                        | 86.0272217                      |                     |             |
| tgt_CmMtrCurr_Per3_vhSpdValid_Cnt_lgc.value                    | 1                               |                     |             |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 61646.7266                      |                     |             |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                | 1.27882886                      |                     |             |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo_Volts_132                | 3                               |                     |             |
|                                                                | 1.48694754                      |                     |             |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.0999999                       |                     |             |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              |                                 | Valta 122           |             |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1  |                     |             |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2  |                     |             |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_C  | _                   |             |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRa | · <del>-</del>      |             |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f3 |                     |             |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph   |                     |             |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_0 | Unt_lgc             |             |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal               |                     |             |
| Name                                                           | Actual Value                    | Expected Value      | Resul       |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 963                             | 963 ± 1             | •           |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE               | CURROFF_INTIALISE   | •           |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 0                               | 0                   | •           |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 2                               | 2                   | •           |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 1.54913402                      | 1.54913402 ± 0.0003 | •           |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 1.94442797                      | 1.94442797 ± 0.0003 | •           |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 1                               | 1 ± 0.0003          | •           |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 3                               | 3 ± 0.0003          | ,           |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 33134.0195                      | 33134.0195 ± 0.0003 | •           |
|                                                                |                                 |                     |             |

| Name                                              | Actual Value      | Expected Value            | Result |
|---------------------------------------------------|-------------------|---------------------------|--------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 963               | 963 ± 1                   | ~      |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_INTIALISE | CURROFF_INTIALISE         | •      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 0                 | 0                         | •      |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 2                 | 2                         | ~      |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 1.54913402        | 1.54913402 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 1.94442797        | 1.94442797 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 1                 | 1 ± 0.0003                | •      |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 3                 | 3 ± 0.0003                | •      |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 33134.0195        | 33134.0195 ± 0.0003       | •      |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 3                 | 3 ± 0.0003                | •      |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 2.62846303        | 2.62846303 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 2.07563138        | 2.07563138 ± 0.0003       | •      |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.06366134        | 2.06366134 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 1.73499858        | 1.73499858 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 3                 | 3 ± 0.0003                | ~      |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 3                 | 3 ± 0.0003                | ~      |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 74986.2109        | 74986.2109 ± 0.001        | ~      |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 7.39995432        | 7.39995432 ± 0.0009765625 | ~      |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                 | 0 ± 1                     | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 61646.7266        | 61646.7266 ± 0.004        | •      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.27882886        | 1.27882886 ± 0.0003       | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003                | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.48694754        | 1.48694754 ± 0.0003       | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.0999999         | 2.0999999 ± 0.0003        | ~      |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~        |





| Test Step 2.99 (Repeat Count = 1)                                                                                   |                                                                     |                           | <b>✓</b> |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------|----------|
| Name                                                                                                                | Input Value                                                         |                           |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                               | 63                                                                  |                           |          |
| CmMtrCurr CurrOffState Uls M enum                                                                                   | CURROFF HIAVERAGE                                                   |                           |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                 | 1                                                                   |                           |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                 | 3                                                                   |                           |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                               | 3                                                                   |                           |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                               | 4.5999999                                                           |                           |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                             | 4.5999999                                                           |                           |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                  | 0                                                                   |                           |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                  | 2.98567462                                                          |                           |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                | 43.625                                                              |                           |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                               | 1.57437587                                                          |                           |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                               | 4.4000001                                                           |                           |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                             | 1.31556726                                                          |                           |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                  | 16.249506                                                           |                           |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                  | 88.1449966<br>2.23846722                                            |                           |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                          | 2.23840722                                                          |                           |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                                                                        | 633.515015                                                          |                           |          |
| Rte_Inst_Sa_CmMtrCurr                                                                                               | tgt_Rte_Inst_Sa_CmMtrCurr                                           |                           |          |
| k CurrOffNoofAvg Cnt u16                                                                                            | 1                                                                   |                           |          |
| k MaxCurrOffMtrVel RadpS f32                                                                                        | 9.50732899                                                          |                           |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                                                                     | 2.87722993                                                          |                           |          |
| k MtrCurrEOLMinOffset Volts f32                                                                                     | 3                                                                   |                           |          |
| k MtrCurrOffLoComOff Cnt u16                                                                                        | 555                                                                 |                           |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                                                                      | 3                                                                   |                           |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                                                                      | 1.91991305                                                          |                           |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                                                                        | 9                                                                   |                           |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                                                              | 11.3727503                                                          |                           |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                                                             | 1.32093003e-008                                                     |                           |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                                                                         | 1                                                                   |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                    | 6889.93945                                                          |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                                                     | 1.373541                                                            |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                                                     | 2.74678731                                                          |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                                   | 1.2081331                                                           |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                                                   | 1.52772772                                                          |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32                                                      | tgt_CmMtrCurr_Per3_ADCMtrCurr1                                      |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32                                                      | tgt_CmMtrCurr_Per3_ADCMtrCurr2                                      |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16                                                          | tgt_CmMtrCurr_Per3_ComOffset_C                                      | _                         |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 | tgt_CmMtrCurr_Per3_MtrVel_MtrRa<br>tgt_CmMtrCurr_Per3_Vecu_Volt_f3. |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32                                                             | tgt_CmMtrCurr_Per3_VehSpd_Kph_                                      |                           |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VhSpdValid Cnt Igc                                                         | tgt_CmMtrCurr_Per3_VhSpdValid_0                                     |                           |          |
| tgt Rte Inst Sa CmMtrCurr.Pim ShCurrCal                                                                             | tgt Pim ShCurrCal                                                   | <u>.</u> ge               |          |
| Name                                                                                                                | Actual Value                                                        | Expected Value            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                               | 64                                                                  | 64 ± 1                    | /        |
| CmMtrCurr CurrOffState Uls M enum                                                                                   | CURROFF HIAVERAGE                                                   | CURROFF HIAVERAGE         |          |
| CmMtrCurr CurrOffTrimFlag Cnt M Igc                                                                                 | 1                                                                   | 1                         |          |
| CmMtrCurr CurroffProcessFlag M enum                                                                                 | 1                                                                   | 1                         | ~        |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                                                                               | 3                                                                   | 3 ± 0.0003                |          |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                                                                               | 4.5999999                                                           | 4.5999999 ± 0.0003        | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                             | 4.5999999                                                           | 4.5999999 ± 0.0003        | <b>~</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                  | 3                                                                   | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                  | 2.98567462                                                          | 2.98567462 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                | 43.625                                                              | 43.625 ± 0.0003           | <b>*</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                               | 1.57437587                                                          | 1.57437587 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                               | 4.4000001                                                           | 4.4000001 ± 0.0003        | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                             | 1.31556726                                                          | 1.31556726 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                  | 18.1694183                                                          | 18.1694202 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                  | 88.1449966                                                          | 88.1449966 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                                | 2.23846722                                                          | 2.23846722 ± 0.0003       | <b>V</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                               | 25603.0664                                                          | 25603.0664 ± 0.001        |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                                                                        | 644.887756                                                          | 644.887756 ± 0.0009765625 | <b>V</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                                                                          | 4000                                                                | 4000 ± 1                  | <b>V</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                    | 6889.93945                                                          | 6889.93945 ± 0.004        | · ·      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                                                     | 1.373541                                                            | 1.373541 ± 0.0003         | <b>V</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                                                     | 2.74678731                                                          | 2.74678731 ± 0.0003       | <b>Y</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                 | 1.2081331<br>1.52772772                                             | 1.2081331 ± 0.0003        |          |
| TO FINE OR OTHER ALEXANDRALIZATION OF THE VOIDS 137                                                                 | 1.32112112                                                          | 1.52772772 ± 0.0003       | •        |



| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.100 (Repeat Count = 1)                             |                                 |                     | •     |  |
|----------------------------------------------------------------|---------------------------------|---------------------|-------|--|
| Name                                                           | Input Value                     |                     |       |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 63                              |                     |       |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF HIAVERAGE               |                     |       |  |
| CmMtrCurr CurrOffTrimFlag Cnt M lgc                            | 1                               |                     |       |  |
| CmMtrCurr CurroffProcessFlag M enum                            | 3                               |                     |       |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 2.18156958                      |                     |       |  |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 4.69999981                      |                     |       |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 4.69999981                      |                     |       |  |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 320                             |                     |       |  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 3                               |                     |       |  |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 54.7550011                      |                     |       |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 3                               |                     |       |  |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                          | 4.5                             |                     |       |  |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32                        | 2.69362235                      |                     |       |  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 8.32323647                      |                     |       |  |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 99.2750015                      |                     |       |  |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 143.794998                      |                     |       |  |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 52238.7539                      |                     |       |  |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 644.64502                       |                     |       |  |
| Rte Inst Sa CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr       |                     |       |  |
| k_CurrOffNoofAvg_Cnt_u16                                       | 10000                           |                     |       |  |
| k MaxCurrOffMtrVel RadpS f32                                   | 5.76168537                      |                     |       |  |
| k MtrCurrEOLMaxOffset Volts f32                                | 3                               |                     |       |  |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 2.70517826                      |                     |       |  |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 666                             |                     |       |  |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 0                               |                     |       |  |
|                                                                | 0.877636433                     |                     |       |  |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 5                               |                     |       |  |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 28.716383                       |                     |       |  |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         |                                 |                     |       |  |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.22093002e-008                 |                     |       |  |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                               |                     |       |  |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 18718.8105                      |                     |       |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 2.61436653                      |                     |       |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.75549197                      |                     |       |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1.20556092                      |                     |       |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1.91193855                      |                     |       |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1  |                     |       |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2  |                     |       |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_C  | -                   |       |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRa |                     |       |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f3 |                     |       |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph   |                     |       |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CmMtrCurr_Per3_VhSpdValid_0 | Cnt_lgc             |       |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal               |                     |       |  |
| Name                                                           | Actual Value                    | Expected Value      | Resul |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 64                              | 64 ± 1              | •     |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_HIAVERAGE               | CURROFF_HIAVERAGE   | •     |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                               | 1                   |       |  |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 1                               | 1                   | •     |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 2.18156958                      | 2.18156958 ± 0.0003 | •     |  |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 4.69999981                      | 4.69999981 ± 0.0003 | •     |  |
| CHING CON_INCCONTONICEES_VOIC_IN_ICE                           |                                 |                     |       |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 4.69999981                      | 4.69999981 ± 0.0003 |       |  |

| Name                                       | Actual Value      | Expected Value            | Result |
|--------------------------------------------|-------------------|---------------------------|--------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16      | 64                | 64 ± 1                    | ~      |
| CmMtrCurr_CurrOffState_Uls_M_enum          | CURROFF_HIAVERAGE | CURROFF_HIAVERAGE         | •      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc        | 1                 | 1                         | ~      |
| CmMtrCurr_CurroffProcessFlag_M_enum        | 1                 | 1                         | •      |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32      | 2.18156958        | 2.18156958 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32      | 4.6999981         | 4.69999981 ± 0.0003       | ✓      |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32    | 4.69999981        | 4.69999981 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32         | 320               | 320 ± 0.0003              | ~      |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32         | 3                 | 3 ± 0.0003                | ~      |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32       | 54.7550011        | 54.7550011 ± 0.0003       | •      |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32      | 3                 | 3 ± 0.0003                | ~      |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32      | 4.5               | 4.5 ± 0.0003              | •      |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32    | 2.69362235        | 2.69362235 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32         | 9.20087242        | 9.20087242 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         | 99.2750015        | 99.2750015 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32       | 143.794998        | 143.794998 ± 0.0003       | ~      |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32      | 52238.7539        | 52238.7539 ± 0.001        | ~      |
| CmMtrCurr_VecuSum_Volt_M_f32               | 673.361389        | 673.361389 ± 0.0009765625 | ~      |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value | 4000              | 4000 ± 1                  | ~      |

CmMtrCurr\_Per3



| Name                                               | Actual Value | Expected Value      | Result |
|----------------------------------------------------|--------------|---------------------|--------|
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32   | 18718.8105   | 18718.8105 ± 0.004  | ✓      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32    | 2.61436653   | 2.61436653 ± 0.0003 | ✓      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32    | 2.75549197   | 2.75549197 ± 0.0003 | ✓      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32  | 1.20556092   | 1.20556092 ± 0.0003 | ~      |
| tot Pim ShCurrCal FOI MtrCurr2OffsetDiff Volts f32 | 1 01103855   | 1 01103855 + 0 0003 |        |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.101 (Repeat Count = 1)                             |                            |                 | ✓      |
|----------------------------------------------------------------|----------------------------|-----------------|--------|
| Name                                                           | Input Value                |                 |        |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 63                         |                 |        |
| CmMtrCurr CurrOffState Uls M enum                              | CURROFF HIAVERAGE          |                 |        |
| CmMtrCurr CurrOffTrimFlag Cnt M lgc                            | 1                          |                 |        |
| CmMtrCurr CurroffProcessFlag M enum                            | 3                          |                 |        |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 2.47964859                 |                 |        |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 2.79071116                 |                 |        |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                        | 2.79071116                 |                 |        |
| CmMtrCurr MtrCurr1SumHi Volt M f32                             | 255.210007                 |                 |        |
| CmMtrCurr MtrCurr1SumLo Volt M f32                             | 2.9184866                  |                 |        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 65.8850021                 |                 |        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 2.0520041                  |                 |        |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                          | 4.5999999                  |                 |        |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32                        | 2.07563138                 |                 |        |
| CmMtrCurr MtrCurr2SumHi Volt M f32                             | 30.7622643                 |                 |        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 110.404999                 |                 |        |
| CmMtrCurr MtrCurr2SumZero Volt M f32                           | 154.925003                 |                 |        |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                          | 36546.3594                 |                 |        |
| CmMtrCurr VecuSum Volt M f32                                   | 655.775024                 |                 |        |
| Rte Inst Sa CmMtrCurr                                          | tgt Rte Inst Sa CmMtrCurr  |                 |        |
| k CurrOffNoofAvg Cnt u16                                       | 895                        |                 |        |
| k MaxCurrOffMtrVel RadpS f32                                   | 15.5906773                 |                 |        |
| k MtrCurrEOLMaxOffset Volts f32                                | 2.96421409                 |                 |        |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 1.23255312                 |                 |        |
| k MtrCurrOffLoComOff Cnt u16                                   | 777                        |                 |        |
| tgt CmMtrCurr Per3 ADCMtrCurr1 Volts f32.value                 | 2.78046203                 |                 |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 3                          |                 |        |
| tgt CmMtrCurr Per3 MtrVel MtrRadpS f32.value                   | 15                         |                 |        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 21.4816856                 |                 |        |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.12093002e-008            |                 |        |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                          |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 36079.5391                 |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 2.96690226                 |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.88593364                 |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 3                          |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 3                          |                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr  | Curr1_Volts_f32 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr  | Curr2_Volts_f32 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOff  | set_Cnt_u16     |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_ | MtrRadpS_f32    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_V  | olt_f32         |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpc  | <del>-</del>    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpd\  |                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal          |                 |        |
| Name                                                           | Actual Value               | Expected Value  | Result |
| CmMtrCurr CurrOffAvaCounter Cnt M u16                          | 64                         | 64 + 1          |        |

| Name                                    | Actual Value      | Expected Value      | Result |
|-----------------------------------------|-------------------|---------------------|--------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 64                | 64 ± 1              | ~      |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_HIAVERAGE | CURROFF_HIAVERAGE   | ~      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                 | 1                   | ~      |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 1                 | 1                   | ~      |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 2.47964859        | 2.47964859 ± 0.0003 | ~      |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 2.79071116        | 2.79071116 ± 0.0003 | ~      |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 2.79071116        | 2.79071116 ± 0.0003 | ~      |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 257.990479        | 257.990448 ± 0.0003 | ~      |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 2.9184866         | 2.9184866 ± 0.0003  | -      |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 65.8850021        | 65.8850021 ± 0.0003 | ~      |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 2.0520041         | 2.0520041 ± 0.0003  | ~      |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 4.5999999         | 4.5999999 ± 0.0003  | ~      |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 2.07563138        | 2.07563138 ± 0.0003 | ~      |





| Name                                              | Actual Value | Expected Value            | Result   |
|---------------------------------------------------|--------------|---------------------------|----------|
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 33.7622643   | 33.7622643 ± 0.0003       | ✓        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 110.404999   | 110.404999 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 154.925003   | 154.925003 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 36546.3594   | 36546.3594 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 677.256714   | 677.256714 ± 0.0009765625 | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 4000         | 4000 ± 1                  | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 36079.5391   | 36079.5391 ± 0.004        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.96690226   | 2.96690226 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.88593364   | 2.88593364 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003                | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003                | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |

| Name                                                           | Input Value                          |                |      |
|----------------------------------------------------------------|--------------------------------------|----------------|------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 63                                   |                |      |
| CmMtrCurr CurrOffState Uls M enum                              | CURROFF HIAVERAGE                    |                |      |
| CmMtrCurr CurrOffTrimFlag Cnt M lgc                            | 1                                    |                |      |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 3                                    |                |      |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 3                                    |                |      |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 4.5999999                            |                |      |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                        | 4.5999999                            |                |      |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 0                                    |                |      |
| CmMtrCurr MtrCurr1SumLo Volt M f32                             | 2.98567462                           |                |      |
| CmMtrCurr MtrCurr1SumZero Volt M f32                           | 43.625                               |                |      |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                          | 1.57437587                           |                |      |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                          | 4.4000001                            |                |      |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 1.31556726                           |                |      |
| CmMtrCurr MtrCurr2SumHi Volt M f32                             | 16.249506                            |                |      |
| CmMtrCurr MtrCurr2SumLo Volt M f32                             | 88.1449966                           |                |      |
| CmMtrCurr MtrCurr2SumZero Volt M f32                           | 2.23846722                           |                |      |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                          | 25603.0664                           |                |      |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 633.515015                           |                |      |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr            |                |      |
| k CurrOffNoofAvg Cnt u16                                       | 64                                   |                |      |
| k MaxCurrOffMtrVel RadpS f32                                   | 9.50732899                           |                |      |
| k MtrCurrEOLMaxOffset Volts f32                                | 2.87722993                           |                |      |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 3                                    |                |      |
| k MtrCurrOffLoComOff Cnt u16                                   | 500                                  |                |      |
| tgt CmMtrCurr Per3 ADCMtrCurr1 Volts f32.value                 | 3                                    |                |      |
| tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32.value                 | 1.91991305                           |                |      |
| tgt CmMtrCurr Per3 MtrVel MtrRadpS f32.value                   | 9                                    |                |      |
| tgt CmMtrCurr Per3 Vecu Volt f32.value                         | 11.3727503                           |                |      |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.32093003e-008                      |                |      |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                    |                |      |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 6889.93945                           |                |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 1.373541                             |                |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.74678731                           |                |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1.2081331                            |                |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1.52772772                           |                |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts | s_f32          |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts | s_f32          |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u1  | 6              |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_  | f32            |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32     |                |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32    |                |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lg | jc             |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                    |                |      |
| Name                                                           | Actual Value                         | Expected Value | Resu |
| CmMtrCurr CurrOffAvgCounter Cnt M u16                          | 0                                    | 0 ± 1          | ,    |
| _                                                              | I I                                  |                |      |

| Name                                    | Actual Value      | Expected Value     | Result |
|-----------------------------------------|-------------------|--------------------|--------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 0                 | 0 ± 1              | ~      |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_LOAVERAGE | CURROFF_LOAVERAGE  | •      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                 | 1                  | ~      |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 1                 | 1                  | •      |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 0.046875          | 0.046875 ± 0.0003  | ~      |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 4.5999999         | 4.5999999 ± 0.0003 | ~      |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 4.5999999         | 4.5999999 ± 0.0003 | ~      |

2016-07-24, 12:40:56+0530



| Name                                              | Actual Value | Expected Value            | Result   |
|---------------------------------------------------|--------------|---------------------------|----------|
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 3            | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 2.98567462   | 2.98567462 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 43.625       | 43.625 ± 0.0003           | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 0.283897161  | 0.283897191 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 4.4000001    | 4.4000001 ± 0.0003        | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 1.31556726   | 1.31556726 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 18.1694183   | 18.1694202 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 88.1449966   | 88.1449966 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 2.23846722   | 2.23846722 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 35267.3008   | 35267.3008 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 644.887756   | 644.887756 ± 0.0009765625 | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 500          | 500 ± 1                   | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 6889.93945   | 6889.93945 ± 0.004        | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.373541     | 1.373541 ± 0.0003         | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.74678731   | 2.74678731 ± 0.0003       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.2081331    | 1.2081331 ± 0.0003        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.52772772   | 1.52772772 ± 0.0003       | ~        |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| Test Step 2.103 (Repeat Count = 1)                             | Inner Malus                              |                |        |
|----------------------------------------------------------------|------------------------------------------|----------------|--------|
| Name                                                           | Input Value                              |                |        |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 63                                       |                |        |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_HIAVERAGE                        |                |        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                                        |                |        |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 3                                        |                |        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 2.18156958                               |                |        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 4.69999981                               |                |        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 4.69999981                               |                |        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 320                                      |                |        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 3                                        |                |        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 54.7550011                               |                |        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 3                                        |                |        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 4.5                                      |                |        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 2.69362235                               |                |        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 8.32323647                               |                |        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 99.2750015                               |                |        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 143.794998                               |                |        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 52238.7539                               |                |        |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 644.64502                                |                |        |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr                |                |        |
| k_CurrOffNoofAvg_Cnt_u16                                       | 64                                       |                |        |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 5.76168537                               |                |        |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 3                                        |                |        |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 2.70517826                               |                |        |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 1500                                     |                |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 0                                        |                |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 0.877636433                              |                |        |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 5                                        |                |        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 28.716383                                |                |        |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.22093002e-008                          |                |        |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                        |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 18718.8105                               |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 2.61436653                               |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.75549197                               |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1.20556092                               |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1.91193855                               |                |        |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr1 Volts f32 | tgt CmMtrCurr Per3 ADCMtrCurr1 Volts f32 | 2              |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 |                |        |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16     | tgt CmMtrCurr Per3 ComOffset Cnt u16     |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   |                |        |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 Vecu Volt f32         | tgt CmMtrCurr Per3 Vecu Volt f32         |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32        |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    |                |        |
| tgt Rte Inst Sa CmMtrCurr.Pim ShCurrCal                        | tgt_Pim_ShCurrCal                        |                |        |
| Name                                                           |                                          | Expected Value | Result |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          |                                          | 0 ± 1          | Result |





| Name                                              | Actual Value      | Expected Value            | Result   |
|---------------------------------------------------|-------------------|---------------------------|----------|
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_LOAVERAGE | CURROFF_LOAVERAGE         | •        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                 | 1                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                 | Ī                         | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 5                 | 5 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 4.69999981        | 4.69999981 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 4.6999981         | 4.69999981 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 320               | 320 ± 0.0003              | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 3                 | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 54.7550011        | 54.7550011 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 0.143763632       | 0.143763632 ± 0.0003      | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 4.5               | 4.5 ± 0.0003              | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 2.69362235        | 2.69362235 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 9.20087242        | 9.20087242 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 99.2750015        | 99.2750015 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 143.794998        | 143.794998 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 26303.1797        | 26303.1797 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 673.361389        | 673.361389 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 1500              | 1500 ± 1                  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 18718.8105        | 18718.8105 ± 0.004        | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.61436653        | 2.61436653 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.75549197        | 2.75549197 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.20556092        | 1.20556092 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.91193855        | 1.91193855 ± 0.0003       | •        |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>✓</b> |

| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Test Step 2.104 (Repeat Count = 1)                           | <b>✓</b>                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------|
| CmMRCur_CurrOffAsgbounter_Cnt_M_u16         63           CmMRCur_CurrOffState_Uis_M_enum         CURROFF_HIAVERAGE           CmMCur_LurrOffTroffEsate_Uis_M_enum         3           CmMCur_CurrOffFroreserFlag_M_enum         3           CmMCur_MicrOffSetHi_Volf_M_12         2478948599           CmMRCur_MicrOffSetHi_Volf_M_122         279071116           CmMCur_MicrOffSetHi_Volf_M_132         279071116           CmMCur_MicrOffSetHi_Volf_M_132         255210007           CmMCur_MicroffSetHi_Volf_M_132         255210007           CmMCur_MicroffSetHi_Volf_M_132         29184666           CmMCur_MicroffSetHi_Volf_M_132         29184666           CmMCur_MicroffSetZer_Volf_M_132         20520041           CmMCur_MicroffSetZer_Volf_M_132         20520041           CmMCur_MicroffSetZer_Volf_M_132         207569318           CmMCur_MicroffSetZer_Volf_M_132         307622643           CmMCur_MicroffSetZer_Volf_M_132         307622643           CmMCur_MicroffSetZer_Volf_M_132         307622643           CmMCur_MicroffSetZer_Volf_M_132         305463008           CmMCur_MicroffSetZer_Volf_M_132         305463008           CmMCur_MicroffSetZer_Volf_M_132         305463008           CmMCur_MicroffSetZer_Volf_M_132         305463008           CmMCur_MicroffSetZer_Volf_M_132                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                              | Input Value                            |
| CmMirCurr, CurrOffState_Uis_M_enum CMMCur_CurrOffTrinFlag_Crt_M_lgc CmMirCurr_MirCurrOffSeesFlag_M_enum 3 CmMirCurr_MirCurrOffSeesFlag_M_enum 3 CmMirCurr_MirCurrOffSeeLze_Volt_M_l32 2.79971116 CmMirCurr_MirCurrOffSeeLze_Volt_M_l32 2.79971116 CmMirCurr_MirCurrOffSeeLze_Volt_M_l32 2.79971116 CmMirCurr_MirCurrOffSeeLze_Volt_M_l32 2.79971116 CmMirCurr_MirCurrOffSeeLze_Volt_M_l32 2.79971116 CmMirCurr_MirCurrSumLo_Volt_M_l32 2.7999999 CmMirCurr_MirCurr_Volt_M_l32 2.7999999 CmMirCurr_MirCurr_Volt_M_l32 2.7999999 CmMirCurr_MirCurr_Volt_M_l32 2.7999999 CmMirCurr_MirCurr_Volt_M_l32 2.7999999 CmMirCurr_Volt_M_l32 2.7999999 CmMirCurr_Vol |                                                              | ·                                      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                              |                                        |
| CmMtrCurr, CurroffProcessFlag, M. enum         3           CmMtrCurr, MitCurr (Dristelt, Volt, M. f32         2.47994859           CmMtrCurr, MitCurr (Orstelt, Volt, M. f32         2.79071116           CmMtrCurr, MitCurrl SumHu, Volt, M. f32         2.55210007           CmMtrCurr, MitCurrl SumHu, Volt, M. f32         2.9184866           CmMtrCurr, MitCurrl SumHu, Volt, M. f32         2.9184866           CmMtrCurr, MitCurr SumLo, Volt, M. f32         2.0520041           CmMtrCurr, MitCurr (20ffsette, Volt, M. f32         2.0520041           CmMtrCurr, MitCurr (20ffsette, Volt, M. f32         4.5999999           CmMtrCurr, MitCurr (20ffsette, Volt, M. f32         30.7622643           CmMtrCurr, MitCurr (20ffsette, Volt, M. f32         110.404999           CmMtrCurr, MitCurr (25umLo, Volt, M. f32         14492503           CmMtrCurr, MitCurr (25umLo, Volt, M. f32         15492503           CmMtrCurr, MitCurr (25umLo, Volt, M. f32         15492503           CmMtrCurr, MitCurr (25umLo, Volt, M. f32         122           CmMtrCurr, MitCurr (25umLo, Volt, M. f32         15906773           K, Jack, J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                              | _                                      |
| CmMtrCurr_MtrCurr10ffselt-ii_Volt_M_f32         2,47964859           CmMtrCurr_MtrCurr10ffselte_0_Volt_M_f32         2,79071116           CmMtrCurr_MtrCurr1SumHL_Volt_M_f32         2,79071116           CmMtrCurr_MtrCurr1SumHL_Volt_M_f32         255,210007           CmMtrCurr_MtrCurrSumZer_Volt_M_f32         255,210007           CmMtrCurr_MtrCurr20ffselt_Volt_M_f32         65,8850021           CmMtrCurr_MtrCurr20ffselt_Volt_M_f32         2,0520041           CmMtrCurr_MtrCurr20ffselt_Volt_M_f32         4,5999999           CmMtrCurr_MtrCurr20ffselt_Volt_M_f32         2,07553138           CmMtrCurr_MtrCurr20ffselt_Volt_M_f32         30,7622843           CmMtrCurr_MtrCurr2SumL_volt_M_f32         110,404999           CmMtrCurr_MtrCurr2SumL_volt_M_f32         154,925003           CmMtrCurr_MtrCurr2SumL_volt_M_f32         36546,3008           CmMtrCurr_MtrCurr2SumL_volt_M_f32         122           Rie_Inst_Sa_CmMtrCurr         Igt_Rie_Inst_Sa_CmMtrCurr           K_CurrOffMoofway_Cnt_u16         64           K_MacCurrOffMoofway_Cnt_u16         64           K_MtrCurrEOLMinOffset_Volts_f32         1,23255312           K_MtrCurrEOLMinOffset_Volts_f32         1,23255312           K_MtrCurrEOLMinOffset_Volts_f32         2,78046203           Igt_CmMtrCurr_Per3_ADCMtrCurr_Volts_f32 value         15     <                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                              |                                        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_132         2,79071116           CmMtrCurr_MtrCurr1OffsetZero_Volt_M_132         2,79071116           CmMtrCurr_MtrCurr1SumLo_Volt_M_132         255,210007           CmMtrCurr_MtrCurr1SumLo_Volt_M_132         2,9184866           CmMtrCurr_MtrCurr2OffsetH_Volt_M_132         65,8850021           CmMtrCurr_MtrCurr2OffsetH_Volt_M_132         2,0520041           CmMtrCurr_MtrCurr2OffsetH_Volt_M_132         2,0520041           CmMtrCurr_MtrCurr2OffsetH_Volt_M_132         2,07563138           CmMtrCurr_MtrCurr2SumHi_Volt_M_132         30,7622843           CmMtrCurr_MtrCurr2SumHi_Volt_M_132         110,40999           CmMtrCurr_MtrCurr2SumLov_Volt_M_132         110,40999           CmMtrCurr_MtrCurrSumZero_Volt_M_132         36546.3008           CmMtrCurr_MtrCurr4Und_VoltCnt_M_132         36546.3008           CmMtrCurr_VecuSum_Volt_M_132         122           Re_Inst_Sa_CmMtrCurr         tg_Rele_Inst_Sa_CmMtrCurr           K_CurrOffsoolAng_Cnt_u16         64           K_DurrCoffsoolAng_Cnt_u16         65           K_MtrCurrEoLMnOffset_Volts_f32         2,96421409           K_MtrCurrEoLMnOffset_Volts_f32         1,32255312           K_MtrCurrEoLMnOffset_Volts_f32         1,3225312           K_MtrCurr_Per3_ADCMtrCurr_Volts_f32.value         15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              |                                        |
| CmMtrCurr_MtrCurr!OffsetZero_Voit_M_132         2.79071116           CmMtrCurr_MtrCurr!SumL_Voit_M_132         2.9184868           CmMtrCurr_MtrCurr_SumL_Voit_M_132         2.9184868           CmMtrCurr_MtrCurr_SumLov_Voit_M_132         65.885021           CmMtrCurr_MtrCurr_OffsetLo_Voit_M_132         2.0520041           CmMtrCurr_MtrCurr_OffsetLo_Voit_M_132         4.5999999           CmMtrCurr_MtrCurr_OffsetZero_Voit_M_132         2.075803138           CmMtrCurr_MtrCurr_SsumLo_Voit_M_132         3.07622643           CmMtrCurr_MtrCurr_SsumLo_Voit_M_132         110.404999           CmMtrCurr_MtrCurr_SsumLo_Voit_M_132         154.925003           CmMtrCurr_MtrCurr_SsumLo_Voit_M_132         154.925003           CmMtrCurr_MtrCurr_ValCmd_Voit_Cnt_M_132         122           CmMtrCurr_MtrCurr_ValCmd_Voit_N_142         122           Tell_ss_a_CmMtrCurr         Ig_l_Re_Inst_Sa_CmMtrCurr           K_Urroff10x04Q_Cnt_u16         64           K_Urroff10x04Q_Cnt_u16         64           K_MtrCurr_Coll.MoxOffset_Voits_152         2.96421409           K_MtrCurr_Coll.MoxOffset_Voits_152         2.96421409           K_MtrCurr_Coll.MoxOffset_Voits_152         2.96421409           K_MtrCurr_Coll.MoxOffset_Voits_152         3           Ig_C_mMtrCurr_Per3_ADCMtrCurr_Voits_152.value         1      <                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |                                        |
| CmMtrCurr MtrCurr1SumHi, Volt, M, 132                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                              |                                        |
| CmMtrCurr SumLo_Volt_M_132         2.9184866           CmMtrCurr_MtrCurr_Struzzero_Volt_M_132         55.8850021           CmMtrCurr_MtrCurr2Offsett_Volt_M_132         2.0520041           CmMtrCurr_MtrCurr2Offsett_O_Volt_M_132         4.5999999           CmMtrCurr_MtrCurr2Offsett_O_Volt_M_132         2.075653138           CmMtrCurr_MtrCurr2SumLo_Volt_M_132         30.7622843           CmMtrCurr_MtrCurr2SumLo_Volt_M_132         110.404999           CmMtrCurr_MtrCurr2SumLo_Volt_M_132         154.925003           CmMtrCurr_MtrCurrYalCmd_Volt_M_132         36546.3008           CmMtrCurr_MtrCurrYalCmd_Volt_M_132         122           Rte_Inst_Sa_CmMtrCurr         tgt_Rte_Inst_Sa_CmMtrCurr           k_ CurrOffhoolAvg_Cnt_u16         64           k_ MaxCurrOfftutVel_RadpS_132         15.5996773           k_ MtrCurrEOLMnOffset_Volts_132         2.96421409           k_ MtrCurrCoLMnOffset_Volts_612         1.23255312           k_ MtrCurrCoLMnOffset_Volts_612         2.96421409           k_ MtrCurrCoLMnOffset_Volts_612         2.96421409           k_ MtrCurrCoLMnOffset_Volts_612         3           tgt_CmMtrCurr_Per3_ADCMtrCurr_Volts_612.value         3           tgt_CmMtrCurr_Per3_ADCMtrCurr_Volts_612.value         15           tgt_CmMtrCurr_Per3_Volts_64_Kpt_fst_value         1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                              |                                        |
| CmMtrCurr_MtrCurrSimZero_Volt_M_f32         65.8850021           CmMtrCurr_MtrCurrSisetH_Volt_M_f32         2.0520041           CmMtrCurr_MtrCurrSisetH_Volt_M_f32         4.59999999           CmMtrCurr_MtrCurr2OffseteZero_Volt_M_f32         2.07563138           CmMtrCurr_MtrCurr2SumH_Volt_M_f32         30.7622643           CmMtrCurr_MtrCurr2SumLov_Oit_M_f32         110.404999           CmMtrCurr_MtrCurrSumLov_Volt_M_f32         154.925003           CmMtrCurr_MtrCurrAincd_VoltCnt_M_f32         36546.3008           CmMtrCurr_Vecusum_Volt_M_f32         122           Re_Inst_Sa_CmMtrCurr         tg_Rte_Inst_Sa_CmMtrCurr           k_CurrOffNoofAvg_Cnt_u16         64           k_CurrOffNoofAvg_Cnt_u16         64           k_MtrCurrEOLMinOffset_Volts_f32         2.96421409           k_MtrCurrEOLMinOffset_Volts_f32         2.96421409           k_MtrCurrEOLMinOffset_Volts_f32         2.96421409           k_MtrCurrEOLMinOffset_Volts_f32         1.23255312           k_MtrCurrEOLMinOffset_Volts_f32         1.276046203           tgt_CmMtrCurr_Per3_ADCMtrCurr_Volts_f32.value         3           tgt_CmMtrCurr_Per3_ADCMtrCurr_Volts_f32.value         15           tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value         1           tgt_Pmis_NcurrCal_EOLMtrCurr_OtfsetLit_Volts_f32         36079.5391 <tr< td=""><td></td><td></td></tr<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                              |                                        |
| CmMtrCurr_MtrCurr2OffsetH_Volt_M_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |                                        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32         4.5999999           CmMtrCurr_MtrCurr2SumH_Volt_M_f32         2.07563138           CmMtrCurr_MtrCurr2SumH_Volt_M_f32         30.7622643           CmMtrCurr_MtrCurr2SumL_Volt_M_f32         110.404999           CmMtrCurr_MtrCurr2SumL_Volt_M_f32         154.925003           CmMtrCurr_MtrCurr2dom_VoltCnt_M_f32         36546.3008           CmMtrCurr_VecuSum_Volt_M_f32         122           Rel_nst_Sa_CmMtrCurr         tgt_Rte_Inst_Sa_CmMtrCurr           k_CurrOffNoofAvg_Cnt_u16         64           k_CurrOffNoofAvg_Cnt_u16         64           k_MtrCurrEOLMaxOffset_Volts_f32         2.96421409           k_MtrCurrEOLMortComOft_Cnt_u16         68           tgt_CmMtrCur_Per3_ADCMtrCurr1_Volts_f32 value         2.78046203           tgt_CmMtrCur_Per3_ADCMtrCurr2_Volts_f32 value         3           tgt_CmMtrCur_Per3_Mred_Mred_Mred_Mred_Mred_Mred_Mred_Mred                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              | 11.11.11                               |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32         2.07563138           CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         30.7622643           CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         110.404999           CmMtrCurr_MtrCurr2SumZero_Volt_M_f32         154.925003           CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32         36546.3008           CmMtrCurr_MtrCurrValCmd_Volt_M_f32         122           Ke_Inst_Sa_CmMtrCurr         tg_Rel_Inst_Sa_CmMtrCurr           k_ UnrOffNoofAvg_Cnt_u-16         64           k_ MaxCurrOffMtrVel_RadpS_f32         15.5906773           k_ MtrCurrEOLMinOffset_Volts_f32         2.96421409           k_ MtrCurrEOLMinOffset_Volts_f32         1.23255312           k_ MtrCurrOffLoComOff_Cnt_u-16         658           tg_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value         2.78046203           tg_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value         3           tg_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value         15           tg_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value         16           tg_CmMtrCurr_Per3_Velxp_Volts_f32.value         1.12093002e-008           tg_CmMtrCurr_Per3_Velxp_Volts_f32.value         1           tg_CmMtrCurr_Per3_Velxp_Volts_f32.value         1           tg_CmMtrCurr_Per3_Velxp_Volts_f32.value         1           tg_CmMtrCurr_Per3_Velxp_Volts_f32.value         2.86990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                              | 11.11                                  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32         30.7622643           CmMtrCurr_MtrCurr2SumZeor_Volt_M_f32         110.404999           CmMtrCurr_MtrCurr2SumZeor_Volt_M_f32         154.925003           CmMtrCurr_MtrCurrAscomZeor_Volt_M_f32         36546.3008           CmMtrCurr_VecuSum_Volt_M_f32         122           Rte_Inst_Sa_CmMtrCurr         tgt_Rte_Inst_Sa_CmMtrCurr           kc_CurrOffNoofAvg_Cnt_u16         64           k_CurrOffMtvCl_RadpS_f32         15.5906773           k_MtrCurrEOLMaxOffset_Volts_f32         2.96421409           k_MtrCurrEOLMinOffset_Volts_f32         1.23255312           k_MtrCurrOffLocomOff_Cnt_u16         658           tgt_CmMtrCurr_Per3_ADCMtrCurr_Volts_f32.value         2.78046203           tgt_CmMtrCurr_Per3_ADCMtrCurr_Volts_f32.value         15           tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value         15           tgt_CmMtrCurr_Per3_Venspd_Kpd_f32.value         1.12093002e-008           tgt_CmMtrCurr_Per3_Venspd_Vsbd_id_Cnt_lgc_value         1           tgt_Pim_shCurrCal_EOLMtrCurrOffsetto_Volts_f32         2.86690226           tgt_Pim_shCurrCal_EOLMtrCurrOffsetto_Volts_f32         2.88593364           tgt_Pim_shCurrCal_EOLMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr_                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                              |                                        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         110.404999           CmMtrCurr_MtrCurr2SumZero_Volt_M_f32         154.925003           CmMtrCurr_MtrCurdCmd_VoltCnt_M_f32         36546.3008           CmMtrCurr_VecuSum_Volt_M_f32         122           Rte_Inst_Sa_CmMtrCurr         tgt_Rte_Inst_Sa_CmMtrCurr           k_CurrOffNoofAvg_Cnt_u16         64           k_MaxCurrOffMtrVel_RadpS_f32         15.5906773           k_MtrCurrEOLMinOffset_Volts_f32         2.96421409           k_MtrCurrEOLMinOffSet_Volts_f32         1.23255312           k_MtrCurrEOLMinOffSet_Volts_f32         1.23255312           k_MtrCurr_Per3_ADCMtrCurr_Volts_f32.value         658           tgt_CmMtrCurr_Per3_ADCMtrCurr_Volts_f32.value         2.76046203           tgt_CmMtrCurr_Per3_ADCMtrCurr_Volts_f32.value         15           tgt_CmMtrCurr_Per3_WtrVel_MtrRadpS_f32.value         15           tgt_CmMtrCurr_Per3_Volt_Skph_f32.value         6           tgt_CmMtrCurr_Per3_Volt_Sybh_f32.value         1           tgt_Pim_ShCurrCal_EOLMtrCurr2Offset_Oxlots_f32         36079.5391           tgt_Pim_ShCurrCal_EOLMtrCurr2Offset_Oxlots_f32         2.98690226           tgt_Pim_ShCurrCal_EOLMtrCurr1OffsetDiff_Volts_f32         2.88593364           tgt_Pim_ShCurrCal_EOLMtrCurr2OffsetDiff_Volts_f32         1tg_CmMtrCurr_Per3_ADCMtrCurr_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |                                        |
| CmMtrCurr_MtrCurr/AlCmd_VoltCnt_M_f32       154.925003         CmMtrCurr_MtrCurr/AlCmd_VoltCnt_M_f32       36546.3008         CmMtrCurr_VecuSum_Volt_M_f32       122         Rte_Inst_Sa_CmMtrCurr       tgt_Rte_Inst_Sa_CmMtrCurr         k_ UnrOffNoofAvg_Ont_u16       64         k_ MaxCurrOffMtrVel_RadpS_f32       15.5906773         k_ MtrCurrEOLMinOffset_Volts_f32       2.96421409         k_ MtrCurrOffLoComOff_Cnt_u16       658         tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value       2.78046203         tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value       3         tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value       15         tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value       15         tgt_CmMtrCurr_Per3_VerbSpd_Kpf_f32.value       15         tgt_CmMtrCurr_Per3_VerbSpd_Kpf_f32.value       1         tgt_CmMtrCurr_Per3_VerbSpd_Kpf_f32.value       1         tgt_Pim_ShCurrCal_EDLMtrCurr2Cmd_Voltcnts_f32       36079.5391         tgt_Pim_ShCurrCal_EDLMtrCurr2OffsetLo_Volts_f32       2.86893364         tgt_Pim_ShCurrCal_EDLMtrCurr1OffsetLo_Volts_f32       2         tgt_Pim_ShCurrCal_EDLMtrCurr2OffsetLo_Volts_f32       3         tgt_Pim_ShCurrCal_EDLMtrCurr_Per3_ADCMtrCurr1_Volts_f32       3         tgt_Pim_ShCurrCal_EDLMtrCurr_CmftfctLo_Volts_f32       3 <t< td=""><td></td><td></td></t<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                              |                                        |
| CmMtrCurr_MtrCurrVecuSum_Volt_M_r32         36546.3008           CmMtrCurr_VecuSum_Volt_M_r32         122           Rte_Inst_Sa_CmMtrCurr         tgt_Rte_Inst_Sa_CmMtrCurr           k_CurrOffNoofAvg_Cnt_u16         64           k_MaxCurrOffMtivel_RadpS_r32         15.5906773           k_MtrCurrEOLMaxOrfset_Volts_r32         2.96421409           k_MtrCurrEOLMinOffset_Volts_r32         1.23255312           k_MtrCurrOffLoComOff_Cnt_u16         658           tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_r32.value         2.78046203           tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_r32.value         3           tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_r32.value         15           tgt_CmMtrCurr_Per3_Vecu_Volt_r32.value         15           tgt_CmMtrCurr_Per3_Vecu_Volt_r32.value         1.12093002e-008           tgt_CmMtrCurr_Per3_VeSpd_Kph_r32.value         1.12093002e-008           tgt_Pim_ShCurrCal_EOLMtrCurrVcalCmd_VoltCnts_r32         36079.5391           tgt_Pim_ShCurrCal_EOLMtrCurrOffsetLo_Volts_r32         2.96690226           tgt_Pim_ShCurrCal_EOLMtrCurrOffsetLo_Volts_r32         3           tgt_Pim_ShCurrCal_EOLMtrCurrOffsetDiff_Volts_r32         3           tgt_Pim_ShCurrCal_EOLMtrCurrOffsetDiff_Volts_r32         3           tgt_Pim_ShCurrCal_EOLMtrCurrOffsetDiff_Volts_r32         3           tgt_Pim_ShCurrCal_E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                              |                                        |
| CmMtrCurr_VecuSum_Volt_M_f32         122           Rte_Inst_Sa_CmMtrCurr         tgt_Rte_Inst_Sa_CmMtrCurr           k_CurrOffNoofAvg_Cnt_u16         64           k_MaxCurrOffMtrVel_RadpS_f32         15.5906773           k_MtrCurrEOLMaxOffset_Volts_f32         2.96421409           k_MtrCurrEOLMinOffSet_Volts_f32         1.23255312           k_MtrCurr_Per3_ADCMtrCurr1_Volts_f32.value         658           tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value         2.78046203           tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value         15           tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value         15           tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value         6           tgt_CmMtrCurr_Per3_VenSpd_Kph_f32_value         1.12093002e-008           tgt_CmMtrCur_Per3_VenSpd_Kph_f32_value         1           tgt_Pim_ShCurrCal_EOLMtrCurrVcalCmd_VoltCnts_f32         36079.5391           tgt_Pim_ShCurrCal_EOLMtrCurrOffsetLo_Volts_f32         2.96690226           tgt_Pim_ShCurrCal_EOLMtrCurrOffsetLo_Volts_f32         2.88593364           tgt_Pim_ShCurrCal_EOLMtrCurrOffsetDiff_Volts_f32         3           tgt_Pim_ShCurrCal_EOLMtrCurrOffsetDiff_Volts_f32         3           tgt_Rie_inst_Sa_CmMtrCurr_cmMtrCurr_Per3_ADCMtrCurr2_Volts_f32         tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32           tgt_Rie_inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Vol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                              |                                        |
| Rte_Inst_Sa_CmMtrCurr         tgt_Rte_Inst_Sa_CmMtrCurr           k_CurrOffNotAvg_Cnt_u16         64           k_MaxCurrOffMtrVel_RadpS_f32         15.5906773           k_MtrCurrEOLMaxOffSet_Volts_f32         2.96421409           k_MtrCurrOffLoComOff_Cnt_u16         658           tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value         2.78046203           tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value         3           tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value         15           tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value         6           tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value         1.12093002e-008           tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value         1.12093002e-008           tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32         36079.5391           tgt_Pim_ShCurrCal.EOLMtrCurrYoffsett.o_Volts_f32         2.96690226           tgt_Pim_ShCurrCal.EOLMtrCurrOffsett.o_Volts_f32         2.88593364           tgt_Pim_ShCurrCal.EOLMtrCurrOffsetDiff_Volts_f32         3           tgt_Pim_ShCurrCal.EOLMtrCurr.OffsetDiff_Volts_f32         3           tgt_Pim_ShCurrCal.EOLMtrCurr.OffsetDiff_Volts_f32         3           tgt_Pim_ShCurrCal.EOLMtrCurr.OffsetDiff_Volts_f32         3           tgt_Pim_ShCurrCal.EOLMtrCurr.OffsetDiff_Volts_f32         3           tgt_Pim_ShCurrCal.EOLMtrCurr.OffsetDiff_Volts_f32         4     <                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                              |                                        |
| k_CurrOffNordAvg_Cnt_u16         64           k_MaxCurrOffMtrVel_RadpS_f32         15.5906773           k_MtrCurrEOLMaxOffset_Volts_f32         2.96421409           k_MtrCurrEOLMinOffset_Volts_f32         1.23255312           k_MtrCurrOffLoComOff_Cnt_u16         658           tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value         2.78046203           tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value         3           tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value         15           tgt_CmMtrCurr_Per3_VenSpd_Kph_f32.value         6           tgt_CmMtrCurr_Per3_VenSpd_Kph_f32.value         1.12093002e-008           tgt_Pim_ShCurrCal_EOLMtrCurrVerd_VolEnts_f32         36079.5391           tgt_Pim_ShCurrCal_EOLMtrCurr1OffsetLo_Volts_f32         2.96690226           tgt_Pim_ShCurrCal_EOLMtrCurr1OffsetLo_Volts_f32         2.8859364           tgt_Pim_ShCurrCal_EOLMtrCurr1OffsetDiff_Volts_f32         3           tgt_Pim_ShCurrCal_EOLMtrCurr2OffsetLo_Volts_f32         3           tgt_Pim_ShCurrCal_EOLMtrCurr1OffsetDiff_Volts_f32         3           tgt_Pim_ShCurrCal_EOLMtrCurr1OffsetDiff_Volts_f32         3           tgt_Pim_ShCurrCal_EOLMtrCurrCurr2OffsetDiff_Volts_f32         3           tgt_Pim_ShCurrCal_EOLMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32         4           tgt_Rie_inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 <td< td=""><td></td><td></td></td<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                              |                                        |
| k_MaxCurrOffMtrVel_RadpS_f32       15.5906773         k_MtrCurrEOLMaxOffset_Volts_f32       2.96421409         k_MtrCurrOffLoComOff_Cnt_u16       658         tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value       2.78046203         tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value       3         tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value       15         tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value       6         tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value       6         tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value       1.12093002e-008         tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value       1         tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32       36079.5391         tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32       2.96690226         tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32       2.88593364         tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32       3         tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32       3         tgt_Pim_ShCurrCal.EOLMtrCurr_Per3_ADCMtrCurr1_Volts_f32       15         tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32       15         tgt_CmMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                              |                                        |
| k_MtrCurrEOLMaxOffset_Volts_f32         2.96421409           k_MtrCurrEOLMinOffset_Volts_f32         1.23255312           k_MtrCurrOffLoComOff_Cnt_u16         658           tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value         2.78046203           tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value         3           tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value         15           tgt_CmMtrCurr_Per3_VenSpd_Kph_f32.value         6           tgt_CmMtrCurr_Per3_VenSpd_Kph_f32.value         1.12093002e-008           tgt_CmMtrCurr_Per3_VenSpd_Valid_Cnt_lgc.value         1           tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32         36079.5391           tgt_Pim_ShCurrCal.EOLMtrCurr/OffsetLo_Volts_f32         2.96690226           tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32         2.88593364           tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32         3           tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32         3           tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32         3           tgt_Pim_ShCurrCal.EOLMtrCurr_Per3_ADCMtrCurr1_Volts_f32         tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32           tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32/tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32         tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32           tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16         tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                              |                                        |
| k_MtrCurrEOLMinOffset_Volts_f32       1.23255312         k_MtrCurrOffLoComOff_Cnt_u16       658         tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value       2.78046203         tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value       3         tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value       15         tgt_CmMtrCurr_Per3_VebSpd_kph_f32.value       6         tgt_CmMtrCurr_Per3_VehSpd_kph_f32.value       1.12093002e-008         tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value       1         tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32       36079.5391         tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32       2.96690226         tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32       2.88593364         tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32       3         tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32       3         tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32       3         tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32       3         tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32       tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32         tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32       tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32         tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16       tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              |                                        |
| k_MtrCurrOffLoComOff_Cnt_u16  tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value  2.78046203  tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value  3  tgt_CmMtrCurr_Per3_ADt_Vel_MtrRadps_f32.value  15  tgt_CmMtrCurr_Per3_Vel_MtrRadps_f32.value  15  tgt_CmMtrCurr_Per3_Velspd_Kph_f32.value  11.12093002e-008  tgt_CmMtrCurr_Per3_Velspd_Kph_f32.value  12  tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16  tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                              |                                        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value  tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value  tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value  tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value  tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value  tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value  tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value  tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value  tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16  tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                              |                                        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value  tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value  tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value  fgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value  fgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value  fgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value  fgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value  fgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value  fgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  fgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  fgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32  fgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32  fgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32  fgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32  fgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32  fgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32  fgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16  fgt_CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                              |                                        |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value  tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value  tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value  tgt_CmMtrCurr_Per3_VhSpd_Valid_Cnt_lgc.value  tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16  tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                              |                                        |
| tgt_CmMtrCurr_Per3_VebSpd_Kph_f32.value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                              |                                        |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value  tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value  tgt_Pim_ShCurrCal.EOLMtrCurrOffsetLo_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16  tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |                                        |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16  tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                              |                                        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 36079.5391  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 2.96690226  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 2.88593364  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 3  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 3  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                              |                                        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16  tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                              |                                        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16  tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                              |                                        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32  tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16  tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                              | 11111                                  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32  tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32  tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                              |                                        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                              |                                        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr2_Volts_f32 tgt_CmMtrCurr.CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                              |                                        |
| tgt_Rte_Inst_Sa_CmMtrCurr_CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                              |                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                              |                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 |

2016-07-24, 12:40:56+0530



| Name                                                        | Input Value                           |                      |          |
|-------------------------------------------------------------|---------------------------------------|----------------------|----------|
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32      | tgt_CmMtrCurr_Per3_Vecu_Volt_f32      |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32     | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32     |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                     | tgt_Pim_ShCurrCal                     |                      |          |
| Name                                                        | Actual Value                          | Expected Value       | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                       | 0                                     | 0 ± 1                | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                           | CURROFF_LOAVERAGE                     | CURROFF_LOAVERAGE    | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                         | 1                                     | 1                    | <b>~</b> |
| CmMtrCurr_CurroffProcessFlag_M_enum                         | 1                                     | 1                    | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                       | 4.03110123                            | 4.03110075 ± 0.0003  | <b>~</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                       | 2.79071116                            | 2.79071116 ± 0.0003  | ~        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                     | 2.79071116                            | 2.79071116 ± 0.0003  | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                          | 257.990479                            | 257.990448 ± 0.0003  | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                          | 2.9184866                             | 2.9184866 ± 0.0003   | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                        | 65.8850021                            | 65.8850021 ± 0.0003  | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                       | 0.527535379                           | 0.527535379 ± 0.0003 | <b>~</b> |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                       | 4.5999999                             | 4.5999999 ± 0.0003   | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                     | 2.07563138                            | 2.07563138 ± 0.0003  | <b>~</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                          | 33.7622643                            | 33.7622643 ± 0.0003  | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                          | 110.404999                            | 110.404999 ± 0.0003  | <b>~</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                        | 154.925003                            | 154.925003 ± 0.0003  | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                       | 6684                                  | 6684 ± 0.001         | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                                | 128                                   | 128 ± 0.0009765625   | •        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                  | 658                                   | 658 ± 1              | <b>~</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32            | 36079.5391                            | 36079.5391 ± 0.004   | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32             | 2.96690226                            | 2.96690226 ± 0.0003  | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32             | 2.88593364                            | 2.88593364 ± 0.0003  | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32           | 3                                     | 3 ± 0.0003           | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32           | 3                                     | 3 ± 0.0003           | ~        |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | _      |



### **Test Case 3: Path Test**

```
Specification
```

```
Performance Metrics : [With "None" Instrumentation and WithPS Environment]
```

CPU Cycles:

TC3.1 1141 Cycles
TC3.2 1147 Cycles
TC3.3 1272 Cycles
TC3.4 1214 Cycles
TC3.5 1231 Cycles
TC3.6 1202 Cycles
TC3.7 1856 Cycles
TC3.9 1366 Cycles
TC3.9 1366 Cycles
TC3.10 1286 Cycles
TC3.11 1271 Cycles
TC3.12 1392 Cycles
TC3.13 1338 Cycles
TC3.14 1279 Cycles
TC3.15 1277 Cycles

### Description

#### VECTOR DESCRIPTION:

```
TC3.1 if( CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc == TRUE )=>False
TC3.2 "if( CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc == TRUE )=>True
((Abs_f32_m(MtrVel_MtrRadpS_T_f32) < k_ MaxCurrOffMtrVel_RadpS_f32) &&
(VehSpd_Kph_T_f32 < FLT_EPSILON) &&
(VhSpdValid_Cnt_T_lgc == TRUE))=False"
TC3.3 "if( (Abs_f32_m(MtrVel_MtrRadpS_T_f32) < k_MaxCurrOffMtrVel_RadpS_f32) &&
(VehSpd_Kph_T_f32 < FLT_EPSILON) &&
(VhSpdValid_Cnt_T_lgc == TRUE))=>True
(CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 ==k_CurrOffNoofAvg_Cnt_u16)=False"
TC3.4 (CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 ==k_CurrOffNoofAvg_Cnt_u16)=False
TC3.5 "( (CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 >= k_MtrCurrEOLMinOffset_Volts_f32) &&
(CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 >= k_MtrCurrEOLMinOffset_Volts_f32) &&
(CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 >= k_MtrCurrEOLMinOffset_Volts_f32) &&
(CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 <= k_MtrCurrEOLMinOffset_Volts_f32) &&
(CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMinOffset_Volts_f32) &&
(CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMinOffset_Volts_f32) &&
(CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMinOffset_Volts_f32) &&
(CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMinOffset_Volts_f32) &&
(CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 <= k_MtrCurrEOL
           TC3.1 if( CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc == TRUE )=>False
(CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMinOffset_Volts_f32) && (CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32) && (CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32) && (CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMaxOffset_Volts_f32) && (CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMaxOffset_Volts_f32) )=False"
TC3.6 (CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 == k_CurrOffNoofAvg_Cnt_u16)=False
TC3.7 "(CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 >= k_MtrCurrEOLMinOffset_Volts_f32) && (CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 >= k_MtrCurrEOLMaxOffset_Volts_f32) && (CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 >= k_MtrCurrEOLMaxOffset_Volts_f32) && (CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 >= k_MtrCurrEOLMaxOffset_Volts_f32) && (CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMaxOffset_Volts_f32) && (CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMaxOffset_Volts_f32) && (CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMaxOffset_Volts_f32) && (CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMaxOffset_Volts_f32) =True"
TC3.8 "((Abs_f32_m(MtrVel_MtrRadpS_T_f32) < k_MaxCurrOffMtrVel_RadpS_f32) =True&& (VehSpd_kph_T_f32 <= TRUE))"
TC3.9 (CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 == k_CurrOffNoofAvg_Cnt_u16)=True
TC3.10 (CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 == k_CurrOffNoofAvg_Cnt_u16)=True
TC3.11 (CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 == k_CurrOffNoofAvg_Cnt_u16)=True
TC3.12 "((CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 >= k_MtrCurrEOLMaxOffset_Volts_f32)=True&& (CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 >= k_MtrCurrEOLMaxOffset_Volts_f32)=True&& (CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 >= k_MtrCurrEOLMaxOffset_Volts_f32)=True&& (CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32)=True&& (CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32)=True&& (CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32)=True&& (CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32)=True&& (C
                                             (CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32)=True&& (CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 >= k_MtrCurrEOLMinOffset_Volts_f32)=True && (CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32)=True&&
                                           (CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMinOffset_Volts_f32)=True &&
(CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMinOffset_Volts_f32)=True &&
(CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMinOffset_Volts_f32)=False &&
(CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMinOffset_Volts_f32)=False &&
(CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32) )"
3.14 "((CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 >= k_MtrCurrEOLMinOffset_Volts_f32)=True &&
(CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32)=True &&
                                           (CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 >= k_MtrCurrEOLMaXOffset_Volts_f32)=False&& (CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 >= k_MtrCurrEOLMaxOffset_Volts_f32) && (CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMaxOffset_Volts_f32) && (CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMaxOffset_Volts_f32) && (CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMaxOffset_Volts_f32) && (CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMaxOffset_Volts_f32) && (CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32))"

215_Cone_Elon_T_Car_Elon_T_G12 = k_MtrCurrEOLMaxOffset_Volts_f32))"
         TC3.15 Case Else= True
```

| Test Step 3.1 (Repeat Count = 1)        |                   | ✓ |
|-----------------------------------------|-------------------|---|
| Name                                    | Input Value       |   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 1                 |   |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_INTIALISE |   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 0                 |   |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 0                 |   |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 1                 |   |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 1                 |   |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 1                 |   |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 1                 |   |

CmMtrCurr\_Per3

2016-07-24, 12:40:56+0530



| Name                                                           | Input Value                    |                           |          |
|----------------------------------------------------------------|--------------------------------|---------------------------|----------|
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 1                              |                           |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 1                              |                           |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 1                              |                           |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 1                              |                           |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 1                              |                           |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 1                              |                           |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 1                              |                           |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 1                              |                           |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 0                              |                           |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 243.964996                     |                           |          |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr      |                           |          |
| k_CurrOffNoofAvg_Cnt_u16                                       | 1                              |                           |          |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | -20                            |                           |          |
| k MtrCurrEOLMaxOffset Volts f32                                | 1                              |                           |          |
| k MtrCurrEOLMinOffset Volts f32                                | 1                              |                           |          |
| k MtrCurrOffLoComOff Cnt u16                                   | 550                            |                           |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 0                              |                           |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 0                              |                           |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | -1118                          |                           |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 5                              |                           |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 0                              |                           |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 0                              |                           |          |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32               | 0                              |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 1                              |                           |          |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                | 1                              |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 1                              |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1                              |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr  | 1 Volts f32               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr  |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_  |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrF | _                         |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kp   |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CmMtrCurr_Per3_VhSpdValid  |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal              | _0.11_190                 |          |
| Name                                                           | Actual Value                   | Expected Value            | Result   |
|                                                                | 1                              | 1 ± 1                     | ivesuit  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          |                                |                           |          |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE              | CURROFF_INTIALISE         |          |
| CmMtrCurr_CurroffTrimFlag_Cnt_M_lgc                            | 0                              | 0                         | -        |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 1                              | i i                       |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | · ·                            | 1 ± 0.0003                |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 1                              | 1 ± 0.0003                |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 1                              | 1 ± 0.0003                | · ·      |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 1                              | 1 ± 0.0003                |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 1                              | 1 ± 0.0003                |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 1                              | 1 ± 0.0003                |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 1                              | 1 ± 0.0003                |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 1                              | 1 ± 0.0003                | <b>Y</b> |
| CmMtrCurr_MtrCurr2SumHi Volt M #32                             | 1                              | 1 ± 0.0003                | · ·      |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 1                              | 1 ± 0.0003                | <b>Y</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 1                              | 1 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 1                              | 1 ± 0.0003                | <b>V</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 0                              | 0 ± 0.001                 | <b>•</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 243.964996                     | 243.964996 ± 0.0009765625 | · 4      |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                     | 0                              | 0 ± 1                     | <b>*</b> |
|                                                                |                                |                           |          |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | <b>~</b> |

0 ± 0.004

1 ± 0.0003

1 ± 0.0003

1 ± 0.0003

1 ± 0.0003

0

1

1

| Test Step 3.2 (Repeat Count = 1)      | <b>✓</b>     |
|---------------------------------------|--------------|
| Name                                  | Input Value  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 | 2            |
| CmMtrCurr_CurrOffState_Uls_M_enum     | CURROFF_CALC |

 $tgt\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32$ 

 $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32$ 

tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32

 $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32$ 

tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32

CmMtrCurr Per3

2016-07-24, 12:40:56+0530



Input Value CmMtrCurr\_CurrOffTrimFlag\_Cnt\_M\_lgc 3  $CmMtrCurr\_CurroffProcessFlag\_M\_enum$ CmMtrCurr MtrCurr1OffsetHi Volt M f32 3 CmMtrCurr\_MtrCurr1OffsetLo\_Volt\_M\_f32 3 CmMtrCurr MtrCurr1OffsetZero Volt M f32 3 CmMtrCurr\_MtrCurr1SumHi\_Volt\_M\_f32 3 CmMtrCurr MtrCurr1SumLo Volt M f32 3  $CmMtrCurr\_MtrCurr1SumZero\_Volt\_M\_f32$ 3 CmMtrCurr\_MtrCurr2OffsetHi\_Volt\_M\_f32 3  $CmMtrCurr\_MtrCurr2OffsetLo\_Volt\_M\_f32$ 3 CmMtrCurr\_MtrCurr2OffsetZero\_Volt\_M\_f32 3 CmMtrCurr\_MtrCurr2SumHi\_Volt\_M\_f32 3 CmMtrCurr\_MtrCurr2SumLo\_Volt\_M\_f32 CmMtrCurr\_MtrCurr2SumZero\_Volt\_M\_f32 3 CmMtrCurr\_MtrCurrValCmd\_VoltCnt\_M\_f32 80000 255.095001 CmMtrCurr VecuSum Volt M f32 Rte\_Inst\_Sa\_CmMtrCurr tgt\_Rte\_Inst\_Sa\_CmMtrCurr k\_CurrOffNoofAvg\_Cnt\_u16 2 k\_MaxCurrOffMtrVel\_RadpS\_f32 20 k\_MtrCurrEOLMaxOffset\_Volts\_f32 3 k\_MtrCurrEOLMinOffset\_Volts\_f32 3 k\_MtrCurrOffLoComOff\_Cnt\_u16 600 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32.value 3 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32.value 3 tgt CmMtrCurr Per3 MtrVel MtrRadpS f32.value 1118 tgt\_CmMtrCurr\_Per3\_Vecu\_Volt\_f32.value 31 tgt\_CmMtrCurr\_Per3\_VehSpd\_Kph\_f32.value 255 tgt\_CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc.value 1 tot Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32 80000 tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32 3 tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32 3 tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32 3 tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 3 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16 tgt\_CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32$ tgt\_CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_Vecu\_Volt\_f32$ tgt\_CmMtrCurr\_Per3\_Vecu\_Volt\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_VehSpd\_Kph\_f32 tgt\_CmMtrCurr\_Per3\_VehSpd\_Kph\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc$ tgt\_CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_ShCurrCal tgt\_Pim\_ShCurrCal Name **Actual Value Expected Value** Result CmMtrCurr CurrOffAvgCounter Cnt M u16 2 ± 1 CmMtrCurr\_CurrOffState\_Uls\_M\_enum CURROFF\_INTIALISE CURROFF\_INTIALISE CmMtrCurr CurrOffTrimFlag Cnt M lgc 0 0  $CmMtrCurr\_CurroffProcessFlag\_M\_enum$ 3 3 CmMtrCurr\_MtrCurr1OffsetHi\_Volt\_M\_f32 3  $3 \pm 0.0003$ 3 + 0.0003CmMtrCurr MtrCurr1OffsetLo Volt M f32 3 CmMtrCurr\_MtrCurr1OffsetZero\_Volt\_M\_f32 3  $3 \pm 0.0003$ CmMtrCurr\_MtrCurr1SumHi\_Volt\_M\_f32 3 3 + 0.0003CmMtrCurr\_MtrCurr1SumLo\_Volt\_M\_f32 3 ± 0.0003 • 3 CmMtrCurr\_MtrCurr1SumZero\_Volt\_M\_f32 3  $3 \pm 0.0003$ CmMtrCurr\_MtrCurr2OffsetHi\_Volt\_M\_f32 3 3 ± 0.0003 CmMtrCurr\_MtrCurr2OffsetLo\_Volt\_M\_f32 3 3 ± 0.0003 CmMtrCurr\_MtrCurr2OffsetZero\_Volt\_M\_f32 3  $3 \pm 0.0003$ **~** CmMtrCurr\_MtrCurr2SumHi\_Volt\_M\_f32 3  $3 \pm 0.0003$  $CmMtrCurr\_MtrCurr2SumLo\_Volt\_M\_f32$ 3  $3 \pm 0.0003$ CmMtrCurr\_MtrCurr2SumZero\_Volt\_M\_f32 3 3 ± 0.0003 ~ CmMtrCurr\_MtrCurrValCmd\_VoltCnt\_M\_f32 ຂດດດດ 80000 ± 0.001 CmMtrCurr\_VecuSum\_Volt\_M\_f32 255.095001 255.095001 ± 0.0009765625 tgt\_CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16.value 0 0 ± 1

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |

80000

3

3

3

3

80000 ± 0.004

 $3 \pm 0.0003$ 

3 ± 0.0003

3 ± 0.0003

 $3 \pm 0.0003$ 

 $tgt\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32$ 

tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32

 $tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32$ 

tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32

tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32



| Test Step 3.3 (Repeat Count = 1)                                                                                           |                                                                   |                                   | ✓        |
|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------|----------|
| Name                                                                                                                       | Input Value                                                       |                                   |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                      | 3                                                                 |                                   |          |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                          | CURROFF_HIAVERAGE                                                 |                                   |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                        | 1                                                                 |                                   |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                        | 1                                                                 |                                   |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                      | 1.78107488<br>2.77936649                                          |                                   |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                              | 1                                                                 |                                   |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                         | 3                                                                 |                                   |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                         | 3                                                                 |                                   |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                       | 1.35713053                                                        |                                   |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                      | 1.57947969                                                        |                                   |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                      | 2.20168996                                                        |                                   |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                    | 1                                                                 |                                   |          |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                         | 2.40007114                                                        |                                   |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                         | 2.39919996                                                        |                                   |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                                       | 1.50101531                                                        |                                   |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                      | 24410.7969                                                        |                                   |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                                                                               | 266.225006                                                        |                                   |          |
| Rte_Inst_Sa_CmMtrCurr                                                                                                      | tgt_Rte_Inst_Sa_CmMtrCurr                                         |                                   |          |
| k_CurrOffNoofAvg_Cnt_u16                                                                                                   | 5                                                                 |                                   |          |
| k_MaxCurrOffMtrVel_RadpS_f32                                                                                               | 13.78934                                                          |                                   |          |
| k_MtrCurrEOLMaxOffset_Volts_f32<br>k_MtrCurrEOLMinOffset_Volts_f32                                                         | 2.81365776<br>1.01982665                                          |                                   |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                                                                               | 650                                                               |                                   |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                                                                             | 0                                                                 |                                   |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                                                                             | 1.77544999                                                        |                                   |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                                                                               | 13                                                                |                                   |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                                                                     | 26.1811924                                                        |                                   |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                                                                    | 1.92093008e-008                                                   |                                   |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                                                                                | 1                                                                 |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                           | 79716.3125                                                        |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                                                            | 3                                                                 |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                                                            | 3                                                                 |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                                          | 2.33796501                                                        |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                                                          | 2.4327662                                                         |                                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32                                                             | tgt_CmMtrCurr_Per3_ADCMtrCurr1                                    |                                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32                                                             | tgt_CmMtrCurr_Per3_ADCMtrCurr2                                    |                                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16<br>tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 | tgt_CmMtrCurr_Per3_ComOffset_C<br>tgt_CmMtrCurr_Per3_MtrVel_MtrRa | _                                 |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 Vecu Volt f32                                                                     | tgt_CmMtrCurr_Per3_Vecu_Volt_f3                                   | · <del>-</del>                    |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32                                                                    | tgt_CmMtrCurr_Per3_VehSpd_Kph                                     |                                   |          |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VhSpdValid Cnt Igc                                                                | tgt_CmMtrCurr_Per3_VhSpdValid_(                                   |                                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                                                                    | tgt_Pim_ShCurrCal                                                 |                                   |          |
| Name                                                                                                                       | Actual Value                                                      | Expected Value                    | Result   |
| CmMtrCurr CurrOffAvgCounter Cnt M u16                                                                                      | 4                                                                 | 4 ± 1                             | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                          | CURROFF_HIAVERAGE                                                 | CURROFF_HIAVERAGE                 | ~        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                        | 1                                                                 | 1                                 | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                        | 1                                                                 | 1                                 | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                      | 1.78107488                                                        | 1.78107488 ± 0.0003               | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                      | 2.77936649                                                        | 2.77936649 ± 0.0003               | ~        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                    | 1                                                                 | 1 ± 0.0003                        | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                         | 3                                                                 | 3 ± 0.0003                        | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                         | 3                                                                 | 3 ± 0.0003                        |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                       | 1.35713053                                                        | 1.35713053 ± 0.0003               | <b>V</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                      | 1.57947969                                                        | 1.57947969 ± 0.0003               | <b>V</b> |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr MtrCurr2OffsetZero Volt M f32                                              | 2.20168996                                                        | 2.20168996 ± 0.0003<br>1 ± 0.0003 | ~        |
| CmMtrCurr MtrCurr2SumHi Volt M f32                                                                                         | 4.1755209                                                         | 4.1755209 ± 0.0003                | •        |
| CmMtrCurr MtrCurr2SumLo Volt M f32                                                                                         | 2.39919996                                                        | 2.39919996 ± 0.0003               |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                                       | 1.50101531                                                        | 1.50101531 ± 0.0003               | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                      | 24410.7969                                                        | 24410.7969 ± 0.001                | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                                                                                               | 292.406189                                                        | 292.406189 ± 0.0009765625         | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                                                                                 | 4000                                                              | 4000 ± 1                          | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                           | 79716.3125                                                        | 79716.3125 ± 0.004                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                                                            | 3                                                                 | 3 ± 0.0003                        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                                                            | 3                                                                 | 3 ± 0.0003                        | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                                          | 2.33796501                                                        | 2.33796501 ± 0.0003               | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                                                          | 2.4327662                                                         | 2.4327662 ± 0.0003                | <b>✓</b> |



| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Input Value                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CURROFF_ZEROAVERAGE                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2.46805692                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2.46084809                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1.86561072                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2.85745907                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2.35386825                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2.47220445                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 27914.8262                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 277.355011                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| tgt_Rte_Inst_Sa_CmMtrCurr                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 32                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 15                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1.39142871                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2.28647137                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 700                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1.09178734                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 14                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 6.35709572                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                       | Volts f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                       | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                       | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                       | F-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                       | 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                       | 90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                       | Expected Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Poor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                       | · · · · · · · · · · · · · · · · · · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Resu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| _                                                     | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3                                                     | 3 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2.46805692                                            | 2.46805692 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2.46805692<br>2                                       | 2 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2.46805692<br>2<br>2.46084809                         | 2 ± 0.0003<br>2.46084809 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2.46805692<br>2<br>2.46084809<br>1.86561072           | 2 ± 0.0003<br>2.46084809 ± 0.0003<br>1.86561072 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2.46805692<br>2<br>2.46084809<br>1.86561072<br>6      | 2 ± 0.0003<br>2.46084809 ± 0.0003<br>1.86561072 ± 0.0003<br>6 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2.46805692<br>2<br>2.46084809<br>1.86561072<br>6<br>3 | 2 ± 0.0003<br>2.46084809 ± 0.0003<br>1.86561072 ± 0.0003<br>6 ± 0.0003<br>3 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2.46805692<br>2<br>2.46084809<br>1.86561072<br>6      | 2 ± 0.0003<br>2.46084809 ± 0.0003<br>1.86561072 ± 0.0003<br>6 ± 0.0003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                       | CURROFF_ZEROAVERAGE  1 3 3 2.46805692 2 2.46084809 1.86561072 3 3 2.85745907 2 2.35386825 2.47220445 3 27914.8262 277.355011 tgt_Rte_Inst_Sa_CmMtrCurr 32 15 1.39142871 2.28647137 700 3 1.09178734 14 6.35709572 1.82093007e-008 1 37732.9023 2.63156509 3 1.93776929 2.30192566 tgt_CmMtrCurr_Per3_ADCMtrCurr2_tgt_CmMtrCurr_Per3_ADCMtrCurr2_tgt_CmMtrCurr_Per3_Decomplished tgt_CmMtrCurr_Per3_ADCMtrCurr2_tgt_CmMtrCurr_Per3_Decomplished tgt_CmMtrCurr_Per3_Decomplished tgt_CmMtrCurr_Per3_Decomplished tgt_CmMtrCurr_Per3_Decomplished tgt_CmMtrCurr_Per3_Vecu_Volt_f32 t | 4 CURROFF_ZEROAVERAGE 1 3 3 2.46805692 2 2.468084809 1.86561072 3 3 2.85745907 2 2.35386825 2.47220445 3 27914.8262 277.355011 tgt_Rte_Inst_Sa_CmMtrCurr 32 15 1.39142871 2.28647137 700 3 1.09178734 14 6.35709572 1.82093007e-008 1 37732.9023 2.63156509 3 1.93776929 2.30192566 tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_Vesp_Volt_f32 tgt_Cmtr_Per3_Vesp_Volt_f32 tgt_Cmtr_Per3_Vesp_Volt_f32 tgt_Cmtr_Per3_Vesp_Volt_f32 tgt_Cmtr_Per3_Vesp_Volt_f32 tgt_Cmtr_Per3_Vesp_Volt_f32 tgt_Cmtr_Per3_Vesp_Volt_f32 tgt_Cmtr_Per3_Vesp_Volt_f32 tgt_Cmtr_Per3_Vesp_Volt_f32 tgt_Cmtr_Per3_Vesp_Volt_f32 t |

| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32      | 2.46805692 | 2.46805692 ± 0.0003       | <b>V</b> |
|--------------------------------------------|------------|---------------------------|----------|
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32    | 2          | 2 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32         | 2.46084809 | 2.46084809 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32         | 1.86561072 | 1.86561072 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32       | 6          | 6 ± 0.0003                | •        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32      | 3          | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32      | 2.85745907 | 2.85745907 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32    | 2          | 2 ± 0.0003                | •        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32         | 2.35386825 | 2.35386825 ± 0.0003       | •        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32         | 2.47220445 | 2.47220445 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32       | 4.09178734 | 4.09178734 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32      | 27914.8262 | 27914.8262 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32               | 277.355011 | 277.355011 ± 0.0009765625 | ~        |
| tgt CmMtrCurr Per3 ComOffset Cnt u16.value | 0          | 0 ± 1                     | <b>✓</b> |





| Name                                              | Actual Value | Expected Value      | Result   |
|---------------------------------------------------|--------------|---------------------|----------|
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 37732.9023   | 37732.9023 ± 0.004  | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.63156509   | 2.63156509 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3            | 3 ± 0.0003          | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.93776929   | 1.93776929 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.30192566   | 2.30192566 ± 0.0003 | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 3.5 (Repeat Count = 1)                               |                           |                | ✓      |  |
|----------------------------------------------------------------|---------------------------|----------------|--------|--|
| Name                                                           | Input Value               |                |        |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 5                         |                |        |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_CALC              |                |        |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                         |                |        |  |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 0                         |                |        |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 2.2157042                 |                |        |  |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 1.65512764                |                |        |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 2                         |                |        |  |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 3                         |                |        |  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 3                         |                |        |  |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 2.1293149                 |                |        |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 1.24502039                |                |        |  |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 1.56739533                |                |        |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 2                         |                |        |  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 2.16943264                |                |        |  |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 3                         |                |        |  |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 1.87105429                |                |        |  |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 54641.4297                |                |        |  |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 288.484985                |                |        |  |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr |                |        |  |
| k_CurrOffNoofAvg_Cnt_u16                                       | 5                         |                |        |  |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 10.7542696                |                |        |  |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 3                         |                |        |  |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 3                         |                |        |  |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 750                       |                |        |  |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 2.35665202                |                |        |  |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 1.39090562                |                |        |  |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 10                        |                |        |  |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 10.8860092                |                |        |  |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.42093004e-008           |                |        |  |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                         |                |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 5549.88623                |                |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                         |                |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.08785343                |                |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.94626999                |                |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 2.92457032                |                |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCM   |                |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCM   |                |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComO   |                |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel |                |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_  | <del>-</del>   |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSp  |                |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CmMtrCurr_Per3_VhSpd  | Valid_Cnt_lgc  |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal         |                |        |  |
| Name                                                           | Actual Value              | Expected Value | Result |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 5                         | 5 ± 1          | ~      |  |

| Name                                    | Actual Value      | Expected Value      | Result   |
|-----------------------------------------|-------------------|---------------------|----------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 5                 | 5 ± 1               | ✓        |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_INTIALISE | CURROFF_INTIALISE   | ✓        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 0                 | 0                   | ✓        |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3                 | 3                   | ✓        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 2.2157042         | 2.2157042 ± 0.0003  | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 1.65512764        | 1.65512764 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 2                 | 2 ± 0.0003          | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 3                 | 3 ± 0.0003          | ✓        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 3                 | 3 ± 0.0003          | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 2.1293149         | 2.1293149 ± 0.0003  | ✓        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 1.24502039        | 1.24502039 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 1.56739533        | 1.56739533 ± 0.0003 | ✓        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 2                 | 2 ± 0.0003          | <b>✓</b> |

CmMtrCurr\_Per3



| Name                                              | Actual Value | Expected Value            | Result   |
|---------------------------------------------------|--------------|---------------------------|----------|
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 2.16943264   | 2.16943264 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 3            | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 1.87105429   | 1.87105429 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 54641.4297   | 54641.4297 ± 0.001        | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 288.484985   | 288.484985 ± 0.0009765625 | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0            | 0 ± 1                     | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 5549.88623   | 5549.88623 ± 0.004        | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3            | 3 ± 0.0003                | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.08785343   | 2.08785343 ± 0.0003       | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.94626999   | 2.94626999 ± 0.0003       | ~        |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 | 2.92457032   | 2.92457032 ± 0.0003       | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |

| Test Step 3.6 (Repeat Count = 1) Name                                      | Input Value                 |                 |        |
|----------------------------------------------------------------------------|-----------------------------|-----------------|--------|
| CmMtrCurr CurrOffAvgCounter Cnt M u16                                      | 6                           |                 |        |
| CmMtrCurr CurrOffState Uls M enum                                          | CURROFF LOAVERAGE           |                 |        |
| CmMtrCurr CurrOffTrimFlag Cnt M Igc                                        | 1                           |                 |        |
| CmMtrCurr CurroffProcessFlag M enum                                        | 1                           |                 |        |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                                      | 3                           |                 |        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                      | 1.61728585                  |                 |        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                    | 1.01720303                  |                 |        |
| CmMtrCurr MtrCurr1SumHi Volt M f32                                         | 1.16198051                  |                 |        |
| CmMtrCurr MtrCurr1SumLo Volt M f32                                         | 2.49484968                  |                 |        |
|                                                                            | 1.25865233                  |                 |        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr MtrCurr2OffsetHi Volt M f32 | 1.91161692                  |                 |        |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                                      | 3                           |                 |        |
|                                                                            | 1                           |                 |        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                    | 1.69007492                  |                 |        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                         |                             |                 |        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                         | 1.76790476                  |                 |        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                       | 2.1677835                   |                 |        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                      | 56885.8242                  |                 |        |
| CmMtrCurr_VecuSum_Volt_M_f32                                               | 299.61499                   |                 |        |
| Rte_Inst_Sa_CmMtrCurr                                                      | tgt_Rte_Inst_Sa_CmMtrCurr   |                 |        |
| k_CurrOffNoofAvg_Cnt_u16                                                   | 10                          |                 |        |
| k_MaxCurrOffMtrVel_RadpS_f32                                               | 0.119885504                 |                 |        |
| k_MtrCurrEOLMaxOffset_Volts_f32                                            | 3                           |                 |        |
| k_MtrCurrEOLMinOffset_Volts_f32                                            | 1.68836021                  |                 |        |
| k_MtrCurrOffLoComOff_Cnt_u16                                               | 800                         |                 |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                             | 0.214018106                 |                 |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                             | 3                           |                 |        |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                               | 0                           |                 |        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                     | 7.86561155                  |                 |        |
| gt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                     | 1.22093002e-008             |                 |        |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                                | 1                           |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                           | 35326.4414                  |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                            | 1.19832134                  |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                            | 2.70113182                  |                 |        |
| gt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                           | 2.12521768                  |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                          | 1.1041311                   |                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32             | tgt_CmMtrCurr_Per3_ADCMtr   | Curr1_Volts_f32 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32             | tgt_CmMtrCurr_Per3_ADCMtr   | Curr2_Volts_f32 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16                 | tgt_CmMtrCurr_Per3_ComOffs  | set_Cnt_u16     |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32               | tgt_CmMtrCurr_Per3_MtrVel_I | /trRadpS_f32    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32                     | tgt_CmMtrCurr_Per3_Vecu_Ve  | olt_f32         |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32                    | tgt_CmMtrCurr_Per3_VehSpd   | _Kph_f32        |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc                | tgt_CmMtrCurr_Per3_VhSpdV   | alid_Cnt_lgc    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                    | tgt_Pim_ShCurrCal           |                 |        |
| Name                                                                       | Actual Value                | Expected Value  | Result |
| CmMtrCurr CurrOffAvaCounter Cnt M u16                                      | 7                           | 7 + 1           | -4     |

| Name                                    | Actual Value      | Expected Value      | Result |
|-----------------------------------------|-------------------|---------------------|--------|
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 7                 | 7 ± 1               | ~      |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_LOAVERAGE | CURROFF_LOAVERAGE   | •      |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                 | 1                   | ~      |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 1                 | 1                   | •      |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 3                 | 3 ± 0.0003          | ~      |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 1.61728585        | 1.61728585 ± 0.0003 | ~      |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 1                 | 1 ± 0.0003          | ~      |





| Name                                              | Actual Value | Expected Value           | Result   |
|---------------------------------------------------|--------------|--------------------------|----------|
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 1.16198051   | 1.16198051 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 2.70886779   | 2.70886779 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 1.25865233   | 1.25865233 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 1.91161692   | 1.91161692 ± 0.0003      | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 3            | 3 ± 0.0003               | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 1            | 1 ± 0.0003               | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 1.69007492   | 1.69007492 ± 0.0003      | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 4.76790476   | 4.76790476 ± 0.0003      | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 2.1677835    | 2.1677835 ± 0.0003       | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 56885.8242   | 56885.8242 ± 0.001       | ~        |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 299.61499    | 299.61499 ± 0.0009765625 | ~        |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 800          | 800 ± 1                  | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 35326.4414   | 35326.4414 ± 0.004       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.19832134   | 1.19832134 ± 0.0003      | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.70113182   | 2.70113182 ± 0.0003      | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.12521768   | 2.12521768 ± 0.0003      | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.1041311    | 1.1041311 ± 0.0003       | ~        |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~        |

| Test Step 3.7 (Repeat Count = 1)                               |                                   |                  | ~      |  |
|----------------------------------------------------------------|-----------------------------------|------------------|--------|--|
| Name                                                           | Input Value                       |                  |        |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 7                                 |                  |        |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_CALC                      | CURROFF_CALC     |        |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                                 | 1                |        |  |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 0                                 | 0                |        |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 3                                 | 3                |        |  |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 1.64490235                        |                  |        |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 3                                 |                  |        |  |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 3                                 |                  |        |  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 1.16706789                        |                  |        |  |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 1.78895056                        |                  |        |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 3                                 |                  |        |  |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 1.5                               |                  |        |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 3                                 |                  |        |  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 1.16022956                        |                  |        |  |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 3                                 |                  |        |  |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 3                                 |                  |        |  |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 33953.457                         |                  |        |  |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 310.744995                        |                  |        |  |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr         |                  |        |  |
| k CurrOffNoofAvg Cnt u16                                       | 15                                |                  |        |  |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 3.40498996                        |                  |        |  |
| k MtrCurrEOLMaxOffset Volts f32                                | 3                                 |                  |        |  |
| k MtrCurrEOLMinOffset Volts f32                                | 1.20024276                        |                  |        |  |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 850                               |                  |        |  |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 2.53271556                        |                  |        |  |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 3                                 |                  |        |  |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 3                                 |                  |        |  |
| tgt CmMtrCurr Per3 Vecu Volt f32.value                         | 9.09741783                        |                  |        |  |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.82093007e-008                   |                  |        |  |
| tgt CmMtrCurr Per3 VhSpdValid Cnt Igc.value                    | 1                                 |                  |        |  |
| tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32               | 68435.9531                        |                  |        |  |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                | 1.96729159                        |                  |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                                 |                  |        |  |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32              | 2.37171364                        |                  |        |  |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32              | 2.71984124                        |                  |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMt          | rCurr1 Volts f32 |        |  |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32 | tgt CmMtrCurr Per3 ADCMt          |                  |        |  |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16     | tgt CmMtrCurr Per3 ComOf          |                  |        |  |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32   | tgt CmMtrCurr Per3 MtrVel         |                  |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Wecu_Volt_f32  |                  |        |  |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32        | tgt CmMtrCurr Per3 VehSpd Kph f32 |                  |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CmMtrCurr_Per3_VhSpd          | - · -            |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                 |                  |        |  |
| Name                                                           | Actual Value                      | Expected Value   | Result |  |
| CmMtrCurr CurrOffAvgCounter Cnt M u16                          | 7                                 | 7 ± 1            | Result |  |
| Chilwin Curi_CuriChAvgCouriter_Chi_wi_u to                     | '                                 | / I              |        |  |





| Name                                              | Actual Value      | Expected Value            | Result   |
|---------------------------------------------------|-------------------|---------------------------|----------|
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_INTIALISE | CURROFF_INTIALISE         | ~        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 0                 | 0                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 2                 | 2                         | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 1.64490235        | 1.64490235 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 3                 | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 3                 | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 1.16706789        | 1.16706789 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 1.78895056        | 1.78895056 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                 | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 1.5               | 1.5 ± 0.0003              | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 3                 | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 1.16022956        | 1.16022956 ± 0.0003       | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 3                 | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 3                 | 3 ± 0.0003                | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 33953.457         | 33953.457 ± 0.001         | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 310.744995        | 310.744995 ± 0.0009765625 | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                 | 0 ± 1                     | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 33953.457         | 33953.457 ± 0.004         | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.64490235        | 1.64490235 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.5               | 1.5 ± 0.0003              | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.35509765        | 1.35509765 ± 0.0003       | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.5               | 1.5 ± 0.0003              | ~        |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | <b>✓</b> |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | -        |

| Test Step 3.8 (Repeat Count = 1)                               | ✓                                        |
|----------------------------------------------------------------|------------------------------------------|
| Name                                                           | Input Value                              |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 8                                        |
| CmMtrCurr CurrOffState Uls M enum                              | CURROFF HIAVERAGE                        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                                        |
| CmMtrCurr CurroffProcessFlag M enum                            | 1                                        |
| CmMtrCurr MtrCurr1OffsetHi Volt M f32                          | 1.78107488                               |
| CmMtrCurr MtrCurr1OffsetLo Volt M f32                          | 2.77936649                               |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32                        | 1                                        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 3                                        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 3                                        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 1.35713053                               |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 1.57947969                               |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 2.20168996                               |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 1                                        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 2.40007114                               |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 2.39919996                               |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 1.50101531                               |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 24410.7969                               |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 321.875                                  |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr                |
| k_CurrOffNoofAvg_Cnt_u16                                       | 20                                       |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 13.78934                                 |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 2.81365776                               |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 1.01982665                               |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 900                                      |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 0                                        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 1.77544999                               |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 13                                       |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 26.1811924                               |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1                                        |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 79716.3125                               |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 3                                        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                                        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.33796501                               |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 2.4327662                                |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16     |





| Name                                                         | Input Value                            |                        |          |  |
|--------------------------------------------------------------|----------------------------------------|------------------------|----------|--|
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 |                        |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32       | tgt_CmMtrCurr_Per3_Vecu_Volt_f32       |                        |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32      | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32      |                        |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc  | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc  |                        |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                      | tgt_Pim_ShCurrCal                      |                        |          |  |
| Name                                                         | Actual Value                           | Expected Value         | Result   |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                        | 8                                      | 8 ± 1                  | ~        |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                            | CURROFF_INTIALISE                      | CURROFF_INTIALISE      | <b>~</b> |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                          | 0                                      | 0                      | ~        |  |
| CmMtrCurr_CurroffProcessFlag_M_enum                          | 3                                      | 3                      | ~        |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                        | 1.78107488                             | 1.78107488 ± 0.0003    | ~        |  |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                        | 2.77936649                             | 2.77936649 ± 0.0003    | ~        |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                      | 1                                      | 1 ± 0.0003             | ~        |  |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                           | 3                                      | 3 ± 0.0003             | ~        |  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                           | 3                                      | 3 ± 0.0003             | ~        |  |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                         | 1.35713053                             | 1.35713053 ± 0.0003    | ~        |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                        | 1.57947969                             | 1.57947969 ± 0.0003    | ~        |  |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                        | 2.20168996                             | 2.20168996 ± 0.0003    | ~        |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                      | 1                                      | 1 ± 0.0003             | ~        |  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                           | 2.40007114                             | 2.40007114 ± 0.0003    | ~        |  |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                           | 2.39919996                             | 2.39919996 ± 0.0003    | ~        |  |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                         | 1.50101531                             | 1.50101531 ± 0.0003    | <b>~</b> |  |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                        | 24410.7969                             | 24410.7969 ± 0.001     | ~        |  |
| CmMtrCurr_VecuSum_Volt_M_f32                                 | 321.875                                | 321.875 ± 0.0009765625 | ~        |  |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                   | 0                                      | 0 ± 1                  | ~        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32             | 79716.3125                             | 79716.3125 ± 0.004     | ~        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32              | 3                                      | 3 ± 0.0003             | ~        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32              | 3                                      | 3 ± 0.0003             | ~        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32            | 2.33796501                             | 2.33796501 ± 0.0003    | ~        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32            | 2.4327662                              | 2.4327662 ± 0.0003     | ~        |  |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 3.9 (Repeat Count = 1)                 | <b>✓</b>                  |
|--------------------------------------------------|---------------------------|
| Name                                             | Input Value               |
| CmMtrCurr CurrOffAvgCounter Cnt M u16            | 63                        |
| CmMtrCurr CurrOffState Uls M enum                | CURROFF HIAVERAGE         |
| CmMtrCurr CurrOffTrimFlag Cnt M lgc              | 1                         |
| CmMtrCurr_CurroffProcessFlag_M_enum              | 1                         |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32            | 1.78107488                |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32            | 2.77936649                |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32          | 1                         |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32               | 3                         |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32               | 3                         |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32             | 1.35713053                |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32            | 1.57947969                |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32            | 2.20168996                |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32          | 1                         |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32               | 2.40007114                |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32               | 2.39919996                |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32             | 1.50101531                |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32            | 24410.7969                |
| CmMtrCurr_VecuSum_Volt_M_f32                     | 333.005005                |
| Rte_Inst_Sa_CmMtrCurr                            | tgt_Rte_Inst_Sa_CmMtrCurr |
| k_CurrOffNoofAvg_Cnt_u16                         | 64                        |
| k_MaxCurrOffMtrVel_RadpS_f32                     | 13.78934                  |
| k_MtrCurrEOLMaxOffset_Volts_f32                  | 2.81365776                |
| k_MtrCurrEOLMinOffset_Volts_f32                  | 1.01982665                |
| k_MtrCurrOffLoComOff_Cnt_u16                     | 950                       |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value   | 0                         |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value   | 1.77544999                |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value     | 13                        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value           | 26.1811924                |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value          | 1.92093008e-008           |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value      | 1                         |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 | 79716.3125                |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  | 3                         |

CmMtrCurr\_MtrCurr2SumZero\_Volt\_M\_f32

CmMtrCurr\_MtrCurrValCmd\_VoltCnt\_M\_f32

tgt\_CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16.value

tgt\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32

 $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32$ 

tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32

 $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32$ 

 $tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32$ 

CmMtrCurr\_VecuSum\_Volt\_M\_f32

2016-07-24, 12:40:56+0530





1.50101531 ± 0.0003

359.186188 ± 0.0009765625

 $17117.4668 \pm 0.001$ 

79716.3125 ± 0.004

2.33796501 ± 0.0003

2.4327662 ± 0.0003

950 ± 1

3 ± 0.0003

3 ± 0.0003

| Name                                                           | Input Value                         |                      |          |  |
|----------------------------------------------------------------|-------------------------------------|----------------------|----------|--|
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                                   |                      |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.33796501                          | 2.33796501           |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 2.4327662                           |                      |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Vd   | olts_f32             |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_Vd   | olts_f32             |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_i  | u16                  |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadp\$ | S_f32                |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32    |                      |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32   | 2                    |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_  | _lgc                 |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                   |                      |          |  |
| Name                                                           | Actual Value                        | Expected Value       | Result   |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 0                                   | 0 ± 1                | ~        |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_LOAVERAGE                   | CURROFF_LOAVERAGE    | ~        |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                                   | 1                    | ~        |  |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 1                                   | 1                    | ~        |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 0.046875                            | 0.046875 ± 0.0003    | ~        |  |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 2.77936649                          | 2.77936649 ± 0.0003  | ~        |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 1                                   | 1 ± 0.0003           | <b>✓</b> |  |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 3                                   | 3 ± 0.0003           | <b>✓</b> |  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 3                                   | 3 ± 0.0003           | <b>✓</b> |  |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 1.35713053                          | 1.35713053 ± 0.0003  | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 0.065242514                         | 0.065242514 ± 0.0003 | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 2.20168996                          | 2.20168996 ± 0.0003  | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 1                                   | 1 ± 0.0003           | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 4.1755209                           | 4.1755209 ± 0.0003   | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 2.39919996                          | 2.39919996 ± 0.0003  | <b>✓</b> |  |

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |

1.50101531

17117.4668

359.186188

79716.3125

2.33796501

2.4327662

950

3

| Nama                                           | Imput Value               |
|------------------------------------------------|---------------------------|
| Name                                           | Input Value               |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16          | 63                        |
| CmMtrCurr_CurrOffState_Uls_M_enum              | CURROFF_LOAVERAGE         |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc            | 1                         |
| CmMtrCurr_CurroffProcessFlag_M_enum            | 1                         |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32          | 3                         |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32          | 1.61728585                |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32        | 1                         |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32             | 1.16198051                |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32             | 2.49484968                |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32           | 1.25865233                |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32          | 1.91161692                |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32          | 3                         |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32        | 1                         |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32             | 1.69007492                |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32             | 1.76790476                |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32           | 2.1677835                 |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32          | 56885.8242                |
| CmMtrCurr_VecuSum_Volt_M_f32                   | 344.13501                 |
| Rte_Inst_Sa_CmMtrCurr                          | tgt_Rte_Inst_Sa_CmMtrCurr |
| k_CurrOffNoofAvg_Cnt_u16                       | 64                        |
| k_MaxCurrOffMtrVel_RadpS_f32                   | 0.119885504               |
| k_MtrCurrEOLMaxOffset_Volts_f32                | 3                         |
| k_MtrCurrEOLMinOffset_Volts_f32                | 1.68836021                |
| k_MtrCurrOffLoComOff_Cnt_u16                   | 1000                      |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value | 0.214018106               |
| tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32.value | 3                         |

CmMtrCurr\_Per3

2016-07-24, 12:40:56+0530



| Name                                                           | Input Value                       |                     |          |
|----------------------------------------------------------------|-----------------------------------|---------------------|----------|
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 0                                 |                     |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 7.86561155                        |                     |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.22093002e-008                   |                     |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                 |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 35326.4414                        |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 1.19832134                        |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 2.70113182                        |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.12521768                        |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 1.1041311                         |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_\  | /olts_f32           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCurr2_\  | /olts_f32           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt  | _u16                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadp | oS_f32              |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32  |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f3  | 32                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cn  | t_lgc               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                 |                     |          |
| Name                                                           | Actual Value                      | Expected Value      | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 0                                 | 0 ± 1               | -        |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_ZEROAVERAGE               | CURROFF_ZEROAVERAGE | ~        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 1                                 | 1                   | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 1                                 | 1                   | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 3                                 | 3                   | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 0.0423260592                      | 0.0423260592        | ~        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 1                                 | 1                   | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 1.16198051                        | 1.16198051          | ~        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 2.70886779                        | 2.70886779          | •        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 1.25865233                        | 1.25865233          | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 1.91161692                        | 1.91161692          | ~        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 0.0744985119                      | 0.0744985119        | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 1                                 | 1                   | ~        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 1.69007492                        | 1.69007492          | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 4.76790476                        | 4.76790476          | •        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 2.1677835                         | 2.1677835           | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 56885.8242                        | 56885.8242          | •        |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 344.13501                         | 344.13501           | <b>~</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                     | 0                                 | 0 ± 1               | •        |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

35326.4414

1.19832134

2.70113182

2.12521768

1.1041311

35326.4414 ± 0.004

1.19832134 ± 0.0003

2.70113182 ± 0.0003 2.12521768 ± 0.0003

1.1041311 ± 0.0003

| Test Step 3.11 (Repeat Count = 1)       |                           |
|-----------------------------------------|---------------------------|
| Name                                    | Input Value               |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 63                        |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_ZEROAVERAGE       |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1                         |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 3                         |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 3                         |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 2.46805692                |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 2                         |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 2.46084809                |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 1.86561072                |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 3                         |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 3                         |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 2.85745907                |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 2                         |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32      | 2.35386825                |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32      | 2.47220445                |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32    | 3                         |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32   | 27914.8262                |
| CmMtrCurr_VecuSum_Volt_M_f32            | 355.265015                |
| Rte_Inst_Sa_CmMtrCurr                   | tgt_Rte_Inst_Sa_CmMtrCurr |
| k_CurrOffNoofAvg_Cnt_u16                | 64                        |

 $tgt\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32\\ tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32\\$ 

tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32

tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32

tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32

CmMtrCurr\_Per3

2016-07-24, 12:40:56+0530



Input Value k\_MaxCurrOffMtrVel\_RadpS\_f32 15 k\_MtrCurrEOLMaxOffset\_Volts\_f32 1.39142871 k MtrCurrEOLMinOffset\_Volts\_f32 2.28647137 k\_MtrCurrOffLoComOff\_Cnt\_u16 1050 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32.value tgt\_CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32.value 1.09178734 tgt\_CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32.value 14 tgt\_CmMtrCurr\_Per3\_Vecu\_Volt\_f32.value 6.35709572 tgt\_CmMtrCurr\_Per3\_VehSpd\_Kph\_f32.value 1.82093007e-008  $tgt\_CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc.value$ tgt\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32 37732.9023  $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32$ 2.63156509 tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32  $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32$ 1.93776929 tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32 2.30192566 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32 tgt\_CmMtrCurr\_Per3\_ADCMtrCurr1\_Volts\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32$ tgt\_CmMtrCurr\_Per3\_ADCMtrCurr2\_Volts\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16 tgt\_CmMtrCurr\_Per3\_ComOffset\_Cnt\_u16  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32$ tgt\_CmMtrCurr\_Per3\_MtrVel\_MtrRadpS\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_Vecu\_Volt\_f32 tgt\_CmMtrCurr\_Per3\_Vecu\_Volt\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_VehSpd\_Kph\_f32$ tgt\_CmMtrCurr\_Per3\_VehSpd\_Kph\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc tgt\_CmMtrCurr\_Per3\_VhSpdValid\_Cnt\_lgc  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_ShCurrCal$ tgt Pim ShCurrCal

| igi_rtte_mst_oa_omittioun:rim_onounoar            | tgt_r iiii_oilodiiodi | igi_i iii_onounoui  |          |  |  |  |
|---------------------------------------------------|-----------------------|---------------------|----------|--|--|--|
| Name                                              | Actual Value          | Expected Value      | Result   |  |  |  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16             | 64                    | 64 ± 1              | ✓        |  |  |  |
| CmMtrCurr_CurrOffState_Uls_M_enum                 | CURROFF_CALC          | CURROFF_CALC        | ✓        |  |  |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc               | 1                     | 1                   | ✓        |  |  |  |
| CmMtrCurr_CurroffProcessFlag_M_enum               | 1                     | 1                   | ✓        |  |  |  |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32             | 3                     | 3                   | ✓        |  |  |  |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32             | 2.46805692            | 2.46805692          | ✓        |  |  |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32           | 0.09375               | 0.09375             | ✓        |  |  |  |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                | 2.46084809            | 2.46084809          | ✓        |  |  |  |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                | 1.86561072            | 1.86561072          | <b>✓</b> |  |  |  |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32              | 6                     | 6                   | ✓        |  |  |  |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32             | 3                     | 3                   | <b>✓</b> |  |  |  |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32             | 2.85745907            | 2.85745907          | ✓        |  |  |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32           | 0.0639341772          | 0.0639341772        | ✓        |  |  |  |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                | 2.35386825            | 2.35386825          | ✓        |  |  |  |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                | 2.47220445            | 2.47220445          | ✓        |  |  |  |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32              | 4.09178734            | 4.09178734          | ✓        |  |  |  |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32             | 27914.8262            | 27914.8262          | ✓        |  |  |  |
| CmMtrCurr_VecuSum_Volt_M_f32                      | 355.265015            | 355.265015          | ✓        |  |  |  |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value        | 0                     | 0 ± 1               | <b>✓</b> |  |  |  |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 37732.9023            | 37732.9023 ± 0.004  | ✓        |  |  |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.63156509            | 2.63156509 ± 0.0003 | ✓        |  |  |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                     | 3 ± 0.0003          | <b>✓</b> |  |  |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.93776929            | 1.93776929 ± 0.0003 | <b>✓</b> |  |  |  |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 | 2.30192566            | 2.30192566 ± 0.0003 | ✓        |  |  |  |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~        |
| Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | Rte Call CmMtrCurr Per3 CP1 CheckpointReached | 1     | <b>✓</b> |

| Test Step 3.12 (Repeat Count = 1)       | ✓            |
|-----------------------------------------|--------------|
| Name                                    | Input Value  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 1            |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_CALC |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1            |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 0            |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 1.5          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 1.64490235   |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 3            |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 3            |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32      | 1.16706789   |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32    | 1.78895056   |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32   | 3            |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32   | 1.5          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 | 3            |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32      | 1.16022956   |

2016-07-24, 12:40:56+0530



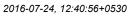
| Name                                                           | Input Value                            |                 |        |
|----------------------------------------------------------------|----------------------------------------|-----------------|--------|
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 3                                      | 3               |        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 3                                      |                 |        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 33953.457                              |                 |        |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 366.394989                             |                 |        |
| Rte_Inst_Sa_CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr              |                 |        |
| k_CurrOffNoofAvg_Cnt_u16                                       | 40                                     |                 |        |
| k_MaxCurrOffMtrVel_RadpS_f32                                   | 3.40498996                             |                 |        |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 2                                      |                 |        |
| k_MtrCurrEOLMinOffset_Volts_f32                                | 1.20024276                             |                 |        |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 1100                                   |                 |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 2.53271556                             |                 |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 3                                      | 3               |        |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 3                                      | 3               |        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                         | 9.09741783                             | 9.09741783      |        |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.82093007e-008                        | 1.82093007e-008 |        |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 1                                      | 1               |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 68435.9531                             |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 1.96729159                             | 1.96729159      |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                                      |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.37171364                             |                 |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 2.71984124                             |                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr              | Curr1_Volts_f32 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtr              | Curr2_Volts_f32 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16   |                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 |                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32       |                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32      |                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    | tgt_CmMtrCurr_Per3_VhSpdV              | alid_Cnt_lgc    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                      |                 |        |
| Name                                                           | Actual Value                           | Expected Value  | Result |

| tgt_Fiii_Gilouiroai |                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Actual Value        | Expected Value                                                                                                                                                  | Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 1                   | 1 ± 1                                                                                                                                                           | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CURROFF_INTIALISE   | CURROFF_INTIALISE                                                                                                                                               | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 0                   | 0                                                                                                                                                               | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 3                   | 3                                                                                                                                                               | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1.5                 | 1.5                                                                                                                                                             | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1.64490235          | 1.64490235                                                                                                                                                      | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 3                   | 3                                                                                                                                                               | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 3                   | 3                                                                                                                                                               | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1.16706789          | 1.16706789                                                                                                                                                      | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1.78895056          | 1.78895056                                                                                                                                                      | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 3                   | 3                                                                                                                                                               | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1.5                 | 1.5                                                                                                                                                             | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 3                   | 3                                                                                                                                                               | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1.16022956          | 1.16022956                                                                                                                                                      | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 3                   | 3                                                                                                                                                               | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 3                   | 3                                                                                                                                                               | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 33953.457           | 33953.457                                                                                                                                                       | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 366.394989          | 366.394989                                                                                                                                                      | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 0                   | 0 ± 1                                                                                                                                                           | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 68435.9531          | 68435.9531 ± 0.004                                                                                                                                              | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1.96729159          | 1.96729159 ± 0.0003                                                                                                                                             | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 3                   | 3 ± 0.0003                                                                                                                                                      | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 2.37171364          | 2.37171364 ± 0.0003                                                                                                                                             | •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 2.71984124          | 2.71984124 ± 0.0003                                                                                                                                             | ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                     | Actual Value  1 CURROFF_INTIALISE 0 3 1.5 1.64490235 3 3 1.16706789 1.78895056 3 1.5 3 1.16022956 3 3 33953.457 366.394989 0 68435.9531 1.96729159 3 2.37171364 | Actual Value         Expected Value           1         1 ± 1           CURROFF_INTIALISE         CURROFF_INTIALISE           0         0           3         3           1.5         1.5           1.64490235         1.64490235           3         3           1.16706789         1.16706789           1.78895056         1.78895056           3         3           1.5         1.5           3         3           1.16022956         1.16022956           3         3           3         3           3953.457         33953.457           366.394989         0           0         0 ± 1           68435.9531         68435.9531 ± 0.004           1.96729159         1.96729159 ± 0.0003           3         2.37171364 ± 0.0003 |

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | •      |

| Test Step 3.13 (Repeat Count = 1)       |              | <b>✓</b> |
|-----------------------------------------|--------------|----------|
| Name                                    | Input Value  |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16   | 2            |          |
| CmMtrCurr_CurrOffState_Uls_M_enum       | CURROFF_CALC |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc     | 1            |          |
| CmMtrCurr_CurroffProcessFlag_M_enum     | 0            |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32   | 1.5          |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32   | 1.64490235   |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 | 3            |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32      | 3            |          |

CmMtrCurr\_Per3





| Oniwitioun_1 eto                                               |                                       |                     | 1000     |
|----------------------------------------------------------------|---------------------------------------|---------------------|----------|
| Name                                                           | Input Value                           |                     |          |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 1.16706789                            |                     |          |
| CmMtrCurr MtrCurr1SumZero Volt M f32                           | 1.78895056                            |                     |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 1                                     |                     |          |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 1.5                                   |                     |          |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32                        | 3                                     |                     |          |
| CmMtrCurr MtrCurr2SumHi Volt M f32                             | 1.16022956                            |                     |          |
| CmMtrCurr MtrCurr2SumLo Volt M f32                             | 3                                     |                     |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 3                                     |                     |          |
| CmMtrCurr MtrCurrValCmd VoltCnt M f32                          | 33953.457                             |                     |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 377.524994                            |                     |          |
| Rte Inst Sa CmMtrCurr                                          | tgt_Rte_Inst_Sa_CmMtrCurr             |                     |          |
| k_CurrOffNoofAvg_Cnt_u16                                       | 45                                    |                     |          |
| k MaxCurrOffMtrVel RadpS f32                                   | 3.40498996                            |                     |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                | 2                                     |                     |          |
| k MtrCurrEOLMinOffset Volts f32                                | 1.20024276                            |                     |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                   | 1150                                  |                     |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                 | 2.53271556                            |                     |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                 | 3                                     |                     |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                   | 3                                     |                     |          |
| tgt CmMtrCurr Per3 Vecu Volt f32.value                         | 9.09741783                            |                     |          |
|                                                                |                                       |                     |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                        | 1.82093007e-008                       |                     |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                    | 68435.9531                            |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               |                                       |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                | 1.96729159                            |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                |                                       |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.37171364                            |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32              | 2.71984124                            | -4 \/-l\- f00       |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCur          |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 | tgt_CmMtrCurr_Per3_ADCMtrCur          |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16     | tgt_CmMtrCurr_Per3_ComOffset_         | _                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32   | tgt_CmMtrCurr_Per3_MtrVel_MtrF        |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32         | tgt_CmMtrCurr_Per3_Vecu_Volt_         |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32        | tgt_CmMtrCurr_Per3_VehSpd_Kph_f32     |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                        | tgt_Pim_ShCurrCal                     | I=                  |          |
| Name                                                           | Actual Value                          | Expected Value      | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                          | 2                                     | 2 ± 1               | <b>Y</b> |
| CmMtrCurr_CurrOffState_Uls_M_enum                              | CURROFF_INTIALISE                     | CURROFF_INTIALISE   | ✓        |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                            | 0                                     | 0                   | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum                            | 3                                     | 3                   | ✓        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                          | 1.5                                   | 1.5                 | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                          | 1.64490235                            | 1.64490235          | •        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                        | 3                                     | 3                   | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                             | 3                                     | 3                   | <b>✓</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                             | 1.16706789                            | 1.16706789          | ~        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                           | 1.78895056                            | 1.78895056          | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                          | 1                                     | 1                   | ✓        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                          | 1.5                                   | 1.5                 | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                        | 3                                     | 3                   | <b>✓</b> |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                             | 1.16022956                            | 1.16022956          | ~        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                             | 3                                     | 3                   | ~        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                           | 3                                     | 3                   | <b>✓</b> |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                          | 33953.457                             | 33953.457           | <b>✓</b> |
| CmMtrCurr_VecuSum_Volt_M_f32                                   | 377.524994                            | 377.524994          | <b>✓</b> |
| tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                     | 0                                     | 0 ± 1               | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32               | 68435.9531                            | 68435.9531 ± 0.004  | <b>✓</b> |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                | 1.96729159                            | 1.96729159 ± 0.0003 |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                | 3                                     | 3 ± 0.0003          | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32              | 2.37171364                            | 2.37171364 ± 0.0003 |          |
| tat Pim ShCurrCal FOI MtrCurr2OffsetDiff Volts f32             | 2 71084124                            | 2 71984124 + 0 0003 | <b>4</b> |

| Test Step Call Trace                          |       |                                               |       |        |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|--|
| Actual Function                               | Count | Expected Function                             | Count | Result |  |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |  |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | •      |  |

2.71984124

2.71984124 ± 0.0003

| Test Step 3.14 (Repeat Count = 1)     | <b>✓</b>     |
|---------------------------------------|--------------|
| Name                                  | Input Value  |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 | 3            |
| CmMtrCurr_CurrOffState_Uls_M_enum     | CURROFF_CALC |

tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32

2016-07-24, 12:40:56+0530



| Name                                                                                                                                                                                                                                                                                                                                                              | Input Value                                                                                             |                                                                                                                         |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--------|
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                                                                                                                                                                                                                                                               | 1                                                                                                       |                                                                                                                         |        |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                                                                                                                                                                                                                                                               | 1                                                                                                       |                                                                                                                         |        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                             | 3                                                                                                       |                                                                                                                         |        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                             | 1.5                                                                                                     |                                                                                                                         |        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                           | 2                                                                                                       |                                                                                                                         |        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                | 2.34302044                                                                                              |                                                                                                                         |        |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                | 1.61692572                                                                                              |                                                                                                                         |        |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                              | 2.6369369                                                                                               |                                                                                                                         |        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                             | 1.38367915                                                                                              |                                                                                                                         |        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                             | 1                                                                                                       |                                                                                                                         |        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                           | 2                                                                                                       |                                                                                                                         |        |
| CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                                | 2.69245267                                                                                              |                                                                                                                         |        |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                                | 1.64579737                                                                                              |                                                                                                                         |        |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                              | 2.93037891                                                                                              |                                                                                                                         |        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                                                                                                                                                                                                                                                             | 20898.541                                                                                               |                                                                                                                         |        |
| CmMtrCurr_VecuSum_Volt_M_f32                                                                                                                                                                                                                                                                                                                                      | 388.654999                                                                                              |                                                                                                                         |        |
| Rte_Inst_Sa_CmMtrCurr                                                                                                                                                                                                                                                                                                                                             | tgt_Rte_Inst_Sa_CmMtrCurr                                                                               |                                                                                                                         |        |
| k_CurrOffNoofAvg_Cnt_u16                                                                                                                                                                                                                                                                                                                                          | 50                                                                                                      |                                                                                                                         |        |
| k_MaxCurrOffMtrVel_RadpS_f32                                                                                                                                                                                                                                                                                                                                      | 11.6127138                                                                                              |                                                                                                                         |        |
| k_MtrCurrEOLMaxOffset_Volts_f32                                                                                                                                                                                                                                                                                                                                   | 1.60846543                                                                                              |                                                                                                                         |        |
| k_MtrCurrEOLMinOffset_Volts_f32                                                                                                                                                                                                                                                                                                                                   | 1.20000005                                                                                              |                                                                                                                         |        |
| k_MtrCurrOffLoComOff_Cnt_u16                                                                                                                                                                                                                                                                                                                                      | 1200                                                                                                    |                                                                                                                         |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                                                                                                                                                                                                                                                                                                                    | 1.64029288                                                                                              |                                                                                                                         |        |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                                                                                                                                                                                                                                                                                                                    | 0.911126375                                                                                             |                                                                                                                         |        |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                                                                                                                                                                                                                                                                                                                      | 11                                                                                                      |                                                                                                                         |        |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                                                                                                                                                                                                                                                                                                            | 14.1631308                                                                                              |                                                                                                                         |        |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                                                                                                                                                                                                                                                                                                           | 1.82093007e-008                                                                                         |                                                                                                                         |        |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                                                                                                                                                                                                                                                                                                                       |                                                                                                         |                                                                                                                         |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                                                                                                                                                                                                                                                                  | 62447.9336<br>1.77314484                                                                                |                                                                                                                         |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                                                                                                                                                                                                                                                                                                   | 2.8215363                                                                                               |                                                                                                                         |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                                                                                                                                                                                                                                 | 1.66199911                                                                                              |                                                                                                                         |        |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_132                                                                                                                                                                                                                                                                                                                 | 1.22172582                                                                                              |                                                                                                                         |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32                                                                                                                                                                                                                                                                                                    | tgt_CmMtrCurr_Per3_ADCMtrCurr                                                                           | 1 Volte f32                                                                                                             |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32                                                                                                                                                                                                                                                                                                    | tgt_CmMtrCurr_Per3_ADCMtrCurr                                                                           |                                                                                                                         |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                                                                                                                                                                        | tgt_CmMtrCurr_Per3_ComOffset_(                                                                          |                                                                                                                         |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32                                                                                                                                                                                                                                                                                                      | tgt_CmMtrCurr_Per3_MtrVel_MtrR                                                                          | _                                                                                                                       |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32                                                                                                                                                                                                                                                                                                            | tgt_CmMtrCurr_Per3_Vecu_Volt_f3                                                                         |                                                                                                                         |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32                                                                                                                                                                                                                                                                                                           | tgt_CmMtrCurr_Per3_VehSpd_Kpt                                                                           |                                                                                                                         |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc                                                                                                                                                                                                                                                                                                       | tgt_CmMtrCurr_Per3_VhSpdValid_                                                                          |                                                                                                                         |        |
| tgt Rte Inst Sa CmMtrCurr.Pim ShCurrCal                                                                                                                                                                                                                                                                                                                           | tgt_Pim_ShCurrCal                                                                                       |                                                                                                                         |        |
| Name                                                                                                                                                                                                                                                                                                                                                              | Actual Value                                                                                            | Expected Value                                                                                                          | Resul  |
|                                                                                                                                                                                                                                                                                                                                                                   | 3                                                                                                       | 3 ± 1                                                                                                                   | Itesui |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                                                                                                                                                                                                                                                             |                                                                                                         | CURROFF INTIALISE                                                                                                       |        |
| CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr CurrOffTrimFlag Cnt M lgc                                                                                                                                                                                                                                                                                             | CURROFF_INTIALISE 0                                                                                     | 0                                                                                                                       |        |
| CmMtrCurr CurroffProcessFlag M enum                                                                                                                                                                                                                                                                                                                               | 3                                                                                                       | 3                                                                                                                       |        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                                                                                                                                                                                                                                                             | 3                                                                                                       | 3                                                                                                                       |        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                             | 1.5                                                                                                     | 1.5                                                                                                                     |        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                           | 2                                                                                                       | 2                                                                                                                       |        |
| CmMtrCurr MtrCurr1SumHi Volt M f32                                                                                                                                                                                                                                                                                                                                | 2.34302044                                                                                              | 2.34302044                                                                                                              |        |
| CmMtrCurr MtrCurr1SumLo Volt M f32                                                                                                                                                                                                                                                                                                                                | 1.61692572                                                                                              | 1.61692572                                                                                                              |        |
| CmMtrCurr MtrCurr1SumZero Volt M f32                                                                                                                                                                                                                                                                                                                              | 2.6369369                                                                                               | 2.6369369                                                                                                               |        |
| CmMtrCurr MtrCurr2OffsetHi Volt M f32                                                                                                                                                                                                                                                                                                                             | 1.38367915                                                                                              | 1.38367915                                                                                                              |        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                                                                                                                                                                                                                                                             |                                                                                                         | 1                                                                                                                       |        |
|                                                                                                                                                                                                                                                                                                                                                                   | 1                                                                                                       | l ·                                                                                                                     |        |
|                                                                                                                                                                                                                                                                                                                                                                   | 1 2                                                                                                     | 2                                                                                                                       |        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                                                                                                                                                                                                                                                           | 2                                                                                                       | 2.69245267                                                                                                              |        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32<br>CmMtrCurr_MtrCurr2SumHi_Volt_M_f32                                                                                                                                                                                                                                                                                     | 2<br>2.69245267                                                                                         | 2.69245267                                                                                                              | •      |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                                                                                                                                                                                     | 2                                                                                                       |                                                                                                                         | •      |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                                                                                                                                                                | 2<br>2.69245267<br>1.64579737                                                                           | 2.69245267<br>1.64579737                                                                                                | •      |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                                                                                                          | 2<br>2.69245267<br>1.64579737<br>2.93037891<br>20898.541                                                | 2.69245267<br>1.64579737<br>2.93037891<br>20898.541                                                                     |        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32                                                                                                                                             | 2<br>2.69245267<br>1.64579737<br>2.93037891                                                             | 2.69245267<br>1.64579737<br>2.93037891                                                                                  | ,      |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                                                                                                  | 2<br>2.69245267<br>1.64579737<br>2.93037891<br>20898.541<br>388.654999                                  | 2.69245267<br>1.64579737<br>2.93037891<br>20898.541<br>388.654999<br>0 ± 1                                              |        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                 | 2<br>2.69245267<br>1.64579737<br>2.93037891<br>20898.541<br>388.654999<br>0<br>62447.9336               | 2.69245267<br>1.64579737<br>2.93037891<br>20898.541<br>388.654999<br>0 ± 1<br>62447.9336 ± 0.004                        |        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2<br>2.69245267<br>1.64579737<br>2.93037891<br>20898.541<br>388.654999<br>0<br>62447.9336<br>1.77314484 | 2.69245267<br>1.64579737<br>2.93037891<br>20898.541<br>388.654999<br>0 ± 1<br>62447.9336 ± 0.004<br>1.77314484 ± 0.0003 |        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                 | 2<br>2.69245267<br>1.64579737<br>2.93037891<br>20898.541<br>388.654999<br>0<br>62447.9336               | 2.69245267<br>1.64579737<br>2.93037891<br>20898.541<br>388.654999<br>0 ± 1<br>62447.9336 ± 0.004                        |        |

| Test Step Call Trace                          |       |                                               |       |        |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|--|
| Actual Function                               | Count | Expected Function                             | Count | Result |  |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |  |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | ~      |  |



| Test Step 3.15 (Repeat Count = 1)                                                                                                                                                                              |                                          |                                           | <b>~</b> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------|----------|
| Name                                                                                                                                                                                                           | Input Value                              |                                           |          |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                                                                                                          | 4                                        |                                           |          |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                                                                                                              | CURROFF_INTIALISE                        |                                           |          |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                                                                                                            | 1                                        |                                           |          |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                                                                                                            | 3                                        |                                           |          |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                                                                                                          | 3                                        |                                           |          |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                                                                                                          | 1                                        |                                           |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                                                                                                        | 1.48992085                               |                                           |          |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                                                                          | 1.68548179                               |                                           |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                                                                                           | 1.59864044                               |                                           |          |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                                                                                                          | 1.64645708                               |                                           |          |
| CmMtrCurr MtrCurr2OffsetLo Volt M f32                                                                                                                                                                          | 3                                        |                                           |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32                                                                                                                                                                        | 1                                        |                                           |          |
| CmMtrCurr MtrCurr2SumHi Volt M f32                                                                                                                                                                             | 2.580019                                 |                                           |          |
| CmMtrCurr_MtrCurr2SumLo_Volt_M_f32                                                                                                                                                                             | 1.33354414                               |                                           |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                                                                                                                           | 3                                        |                                           |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                                                                                                          | 65784.1328                               |                                           |          |
| CmMtrCurr_VecuSum_Volt_M_f32                                                                                                                                                                                   | 399.785004                               |                                           |          |
| Rte_Inst_Sa_CmMtrCurr                                                                                                                                                                                          | tgt_Rte_Inst_Sa_CmMtrCurr                |                                           |          |
| k_CurrOffNoofAvg_Cnt_u16                                                                                                                                                                                       | 55                                       |                                           |          |
| k_MaxCurrOffMtrVel_RadpS_f32                                                                                                                                                                                   | 8.21017742                               |                                           |          |
| k_MtrCurrEOLMaxOffset_Volts_f32                                                                                                                                                                                | 2.68886065                               |                                           |          |
| k_MtrCurrEOLMinOffset_Volts_f32                                                                                                                                                                                | 1.79667687                               |                                           |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                                                                                                                                                                   | 1250                                     |                                           |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value                                                                                                                                                                 | 3                                        |                                           |          |
| tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value                                                                                                                                                                 | 2.4808383                                |                                           |          |
| tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value                                                                                                                                                                   | 8                                        |                                           |          |
| tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value                                                                                                                                                                         | 25.8124847                               |                                           |          |
| tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value                                                                                                                                                                        | 1.52093005e-008                          |                                           |          |
| tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value                                                                                                                                                                    | 1                                        |                                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                                                                                                                               | 48316.1758<br>2.95542264                 |                                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32<br>tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                                                                                             | 3                                        |                                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32                                                                                                                                                              | 1.64321661                               |                                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32                                                                                                                                                              | 2.54192924                               |                                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32                                                                                                                                                 | tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 |                                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32                                                                                                                                                 | tgt_CmMtrCurr_Per3_ADCMtrCurr2           |                                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16                                                                                                                                                     | tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16     |                                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32                                                                                                                                                   | tgt_CmMtrCurr_Per3_MtrVel_MtrRa          | _                                         |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32                                                                                                                                                         | tgt_CmMtrCurr_Per3_Vecu_Volt_f32         |                                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32                                                                                                                                                        | tgt_CmMtrCurr_Per3_VehSpd_Kph_           |                                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc                                                                                                                                                    | tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc    |                                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                                                                                                                                                        | tgt_Pim_ShCurrCal                        |                                           |          |
| Name                                                                                                                                                                                                           | Actual Value                             | Expected Value                            | Result   |
| CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16                                                                                                                                                                          | 0                                        | 0 ± 1                                     | ~        |
| CmMtrCurr_CurrOffState_Uls_M_enum                                                                                                                                                                              | CURROFF_HIAVERAGE                        | CURROFF_HIAVERAGE                         | <b>✓</b> |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                                                                                                                                                                            | 1                                        | 1                                         | ~        |
| CmMtrCurr_CurroffProcessFlag_M_enum                                                                                                                                                                            | 1                                        | 1                                         | ~        |
| CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32                                                                                                                                                                          | 3                                        | 3                                         | ~        |
| CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32                                                                                                                                                                          | 3                                        | 3                                         | ~        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32                                                                                                                                                                        | 1                                        | 1                                         | ~        |
| CmMtrCurr_MtrCurr1SumHi_Volt_M_f32                                                                                                                                                                             | 0                                        | 0                                         | <b>~</b> |
| CmMtrCurr_MtrCurr1SumLo_Volt_M_f32                                                                                                                                                                             | 0                                        | 0                                         |          |
| CmMtrCurr_MtrCurr1SumZero_Volt_M_f32                                                                                                                                                                           | 1.59864044                               | 1.59864044                                | ~        |
| CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32                                                                                                                                                                          | 1.64645708                               | 1.64645708                                | •        |
| CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32                                                                                                                                                                          | 3                                        | 3                                         | ~        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr MtrCurr2SumHi Volt M f32                                                                                                                                     | 0                                        | 0                                         |          |
| CmMtrCurr_MtrCurr2SumHi_voit_M_f32 CmMtrCurr MtrCurr2SumLo Voit M f32                                                                                                                                          | 0                                        | 0                                         |          |
| CmMtrCurr_MtrCurr2SumZero_Volt_M_f32                                                                                                                                                                           | 3                                        | 3                                         | -        |
|                                                                                                                                                                                                                | 65784.1328                               | 65784.1328                                |          |
|                                                                                                                                                                                                                | 0                                        | 0                                         | ·        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                                                                                                          |                                          |                                           |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32                                                                                                                                             | 4000                                     | 4000 ± 1                                  |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32                                                                                                                                                                          |                                          | 4000 ± 1<br>48316.1758 ± 0.004            | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value                                                                                                  | 4000                                     |                                           |          |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32                                                 | 4000<br>48316.1758                       | 48316.1758 ± 0.004                        | ~        |
| CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 4000<br>48316.1758<br>2.95542264         | 48316.1758 ± 0.004<br>2.95542264 ± 0.0003 | ~        |

2016-07-24, 12:40:56+0530

Razorcat

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached | 1     | ~      |
| Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached | 1     | •      |

 ${\it CmMtrCurrTempOffset\_Scom\_Set}$ 

2016-07-24, 12:49:26+0530



Project CmMtrCurr1

 Module
 CmMtrCurr\_MTRCURRPHASEAC\_ON

 Test Object
 CmMtrCurrTempOffset\_Scom\_Set

### Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|-------------------------|-------|
| Branch (C1) Coverage    | 100 % |

#### **Statistics**

| Total Testcases | 1 |   |
|-----------------|---|---|
| Successful      | 1 | ✓ |
| Failed          | 0 |   |
| Not Executed    | 0 |   |

#### **Module Properties**

| Project Root Directory | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP                                                                                                                                                                                                                                              |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Configuration File     | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config<br>\TMS570_GCC_UDE_CCS4_Config.xml                                                                                                                                                                                        |
| Target Environment     | TI TMS 570 PLS UDE (Default)                                                                                                                                                                                                                                                                  |
| Kind of Test           | Unit Test                                                                                                                                                                                                                                                                                     |
| Linker Options         |                                                                                                                                                                                                                                                                                               |
| Source File(s)         |                                                                                                                                                                                                                                                                                               |
| File                   | \$(PROJECTROOT)\CmMtrCurr\src\Sa_CmMtrCurr.c                                                                                                                                                                                                                                                  |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include |
| File                   | \$(PROJECTROOT)\NxtrLib\src\interpolation.c                                                                                                                                                                                                                                                   |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -l\$(PROJECTROOT)\CmMtrCurr\utp\contract -l\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -l\$(PROJECTROOT)\CmMtrCurr\include -l\$(PROJECTROOT)\NxtrLib\include -l\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include |

| Comments/Description/Spec                                                | cification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name                                                                     | Text                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| MODULE 'CmMtrCurr_MTRCURRPHASEAC_ON  ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( | Unit Test Information*  Name of Tester:Chandrakanth Sheegi Code File(s) Under Test:Sa_CmMtrCurr.c Code File(s) Version:2  Module Design Document:CmMtrCurr_MDD.docx Module Design Document Version:2  Data Dictionary Version:2  Unit Test Plan Version:2  Unit Test Plan Version:2  Optimization Level:Level 2  Compiler (CodeGen) Version:TMS470_4.9.5  Model Version:Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.32  Total FLASH Used (Bytes):3176  Total FLASH Used (Bytes):130  Total FLASH Used (Bytes):48  Special Test Requirements:NA  Test Date:7/23/2016  Comments:  "Note1: Inline functions defined in globalmacro.h are not unit tested.  Note2:- ""CBD_Sandbox_dbg.map"" map file is embedded for reference.  Note3:-In function ""CmMtrCurr_Per3"" some variables are going out of range for some vectors,accepted by devloper variables are :-MtrCurr2SumHi_Volt_M_f32_, VecuSum_Volt_M_f32_, CmMtrCurr1SumLo_Volt_M_f32_, MtrCurr2SumLo_Volt_M_f32_, MtrCurr2SumLo_Volt_M_f32_, MtrCurr2SumLo_Volt_M_f32_, MtrCurr2SumLo_Volt_M_f32_, MtrCurr1SumLo_Volt_M_f32_, MtrCurr2SumLo_Volt_M_f32_, CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16  Note4:-In function CurrDQPer1(), variables 'MtrCurrK1_Amps_f32' and 'MtrCurrK2_Amps_f32' are going to very large values." |

| Attributes            |                                                                      |
|-----------------------|----------------------------------------------------------------------|
| Name                  | Value                                                                |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5 |
| Float Precision       | 9                                                                    |

2016-07-24, 12:49:26+0530



| Attributes          |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| Name                | Value                                                                                    |
| InitObjDir          | \$(PROJECTROOT)\UnitTestEnv\static_build_files\obj                                       |
| InitSrcDir          | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                                       |
| Linker File         | \$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd                              |
| Makefile Template   | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_Ps.tpl                  |
| Target Install Path | \$(ProgramFiles)\pls\UDE 4.4                                                             |
| Time Unit           | cycles                                                                                   |
| Timer Enabled       | false                                                                                    |
| Timer Prescale      | 0                                                                                        |
| Timer Resolution    | 1                                                                                        |
| UDE Config File     | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                             |
| Workspace File      | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |



#### Test Case 1: Range Test

CmMtrCurrTempOffset\_Scom\_Set

#### Specification

Performance Metrics : [With "None" Instrumentation and WithPS Environment]

CPU Cycles:

743.00 Cycles
669.00 Cycles
669.00 Cycles
621.00 Cycles TS1.2 TS1.2 TS1.3 TS1.4 TS1.5 TS1.6 TS1.7 TS1.8 TS1.9 TS1.9 TS1.10 TS1.11 TS1.12 TS1.13 TS1.14 TS1.15 TS1.16

#### Description

#### Vector Description:

TS1.1 All Min

TS1.2 All Max
TS1.3 CurrTempOffCal1.CurrTempOffsetX\_DegC\_s10p5==>Min
TS1.4 CurrTempOffCal1.CurrTempOffsetX\_DegC\_s10p5==>Max
TS1.5 CurrTempOffCal1.CurrTempOffsetX\_DegC\_s10p5==>Pos
TS1.6 CurrTempOffCal1.CurrTempOffsetX\_DegC\_s10p5==>Pos
TS1.6 CurrTempOffCal1.CurrTempOffsetX\_DegC\_s10p5==>Neg
TS1.8 CurrTempOffCal1.CurrOffsetY1\_Volts\_s4p11==>Min
TS1.9 CurrTempOffCal1.CurrOffsetY1\_Volts\_s4p11==>Min
TS1.10 CurrTempOffCal1.CurrOffsetY1\_Volts\_s4p11==>Pos
TS1.11 CurrTempOffCal1.CurrOffsetY1\_Volts\_s4p11==>Pos
TS1.12 CurrTempOffCal1.CurrOffsetY1\_Volts\_s4p11==>Neg
TS1.13 CurrTempOffCal1.CurrOffsetY2\_Volts\_s4p11==>Neg
TS1.14 CurrTempOffCal1.CurrOffsetY2\_Volts\_s4p11==>Neg
TS1.15 CurrTempOffCal1.CurrOffsetY2\_Volts\_s4p11==>Neg
TS1.16 CurrTempOffCal1.CurrOffsetY2\_Volts\_s4p11==>Pos
TS1.17 CurrTempOffCal1.CurrOffsetY2\_Volts\_s4p11==>Pos
TS1.17 CurrTempOffCal1.CurrOffsetY2\_Volts\_s4p11==>Pos

| Test Step 1.1 (Repeat Count = 1)                  | v v v v v v v v v v v v v v v v v v v |
|---------------------------------------------------|---------------------------------------|
| Name                                              | Input Value                           |
| CurrTempOffCal                                    | tgt_CurrTempOffCal                    |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr             |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]  | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]  | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]  | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]  | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]  | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]  | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]  | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]  | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]  | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]  | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] | -1600                                 |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]    | -53                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]    | -53                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]    | -53                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]    | -53                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]    | -53                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]    | -53                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]    | -53                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]    | -53                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]    | -53                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]    | -53                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]   | -53                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]   | -53                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]   | -53                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]   | -53                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]   | -53                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]   | -53                                   |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]    | -53                                   |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]    | -53                                   |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]    | -53                                   |

© Report created by TESSY V3.1.13, report template V2.1

2016-07-24, 12:49:26+0530



| Name                                                 | Input Value            |                |        |
|------------------------------------------------------|------------------------|----------------|--------|
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]       | -53                    |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]       | -53                    |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]       | -53                    |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]       | -53                    |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]       | -53                    |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]       | -53                    |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]       | -53                    |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]      | -53                    |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]      | -53                    |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]      | -53                    |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]      | -53                    |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]      | -53                    |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]      | -53                    |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset         | tgt_Pim_CurrTempOffset |                |        |
| Name                                                 | Actual Value           | Expected Value | Result |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0] | -1600                  | -1600          | ~      |
|                                                      |                        |                |        |

| tgt Rte Inst Sa CmMtrCurr.Pim CurrTempOffset          | tgt_Pim_CurrTempOffset | tat Pim CurrTemnOffset |          |  |
|-------------------------------------------------------|------------------------|------------------------|----------|--|
| Name                                                  | Actual Value           | Expected Value         | Result   |  |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[0]  | -1600                  | -1600                  | - Toodit |  |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[1]  | -1600                  | -1600                  | ~        |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | -1600                  | -1600                  |          |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | -1600                  | -1600                  | ·        |  |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[4]  | -1600                  | -1600                  | _        |  |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[5]  | -1600                  | -1600                  | <b>~</b> |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | -1600                  | -1600                  | _        |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | -1600                  | -1600                  | <b>~</b> |  |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[8]  | -1600                  | -1600                  | _        |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | -1600                  | -1600                  | <b>✓</b> |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | -1600                  | -1600                  | _        |  |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[11] | -1600                  | -1600                  | <b>~</b> |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | -1600                  | -1600                  | ~        |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | -1600                  | -1600                  | <b>✓</b> |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] | -1600                  | -1600                  | _        |  |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[15] | -1600                  | -1600                  | <b>✓</b> |  |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[0]    | -53                    | -53                    |          |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]    | -53                    | -53                    | <b>✓</b> |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]    | -53                    | -53                    |          |  |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[3]    | -53                    | -53                    | <b>✓</b> |  |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[4]    | -53                    | -53                    |          |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]    | -53                    | -53                    | <b>✓</b> |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]    | -53                    | -53                    | _        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]    | -53                    | -53                    | <b>✓</b> |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]    | -53                    | -53                    | _        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]    | -53                    | -53                    | <b>✓</b> |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]   | -53                    | -53                    |          |  |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[11]   | -53                    | -53                    | ~        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]   | -53                    | -53                    | _        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]   | -53                    | -53                    | <b>✓</b> |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]   | -53                    | -53                    | ~        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]   | -53                    | -53                    | <b>✓</b> |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]    | -53                    | -53                    | ~        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]    | -53                    | -53                    | <b>✓</b> |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]    | -53                    | -53                    | ~        |  |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[3]    | -53                    | -53                    | <b>✓</b> |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]    | -53                    | -53                    | ~        |  |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[5]    | -53                    | -53                    | <b>✓</b> |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]    | -53                    | -53                    | ~        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]    | -53                    | -53                    | ✓        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]    | -53                    | -53                    | ~        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]    | -53                    | -53                    | ✓        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]   | -53                    | -53                    | ~        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]   | -53                    | -53                    | <b>✓</b> |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]   | -53                    | -53                    | ~        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]   | -53                    | -53                    | <b>✓</b> |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]   | -53                    | -53                    | ~        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]   | -53                    | -53                    | <b>✓</b> |  |

| Test Step Call Trace                               |       |                                                    |       | <b>✓</b> |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock | 1     | ~        |



| Test Step 1.2 (Repeat Count = 1)                                                                    |                           |                    | ✓      |  |
|-----------------------------------------------------------------------------------------------------|---------------------------|--------------------|--------|--|
| Name                                                                                                | Input Value               |                    |        |  |
| CurrTempOffCal                                                                                      | tgt_CurrTempOffCal        | tgt_CurrTempOffCal |        |  |
| Rte_Inst_Sa_CmMtrCurr                                                                               | tgt_Rte_Inst_Sa_CmMtrCurr |                    |        |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]                                                    | 4800                      |                    |        |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]                                                    | 4800                      |                    |        |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]                                                    | 4800                      |                    |        |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]                                                    | 4800                      |                    |        |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]                                                    | 4800                      |                    |        |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]                                                    | 4800                      |                    |        |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]                                                    | 4800                      |                    |        |  |
| tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[7]                                                    | 4800                      |                    |        |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]                                                    | 4800                      |                    |        |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]                                                    | 4800                      |                    |        |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] | 4800<br>4800              |                    |        |  |
| tgt CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]                                                   | 4800                      |                    |        |  |
| tgt CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]                                                   | 4800                      |                    |        |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]                                                   | 4800                      |                    |        |  |
| tgt CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[14]                                                   | 4800                      |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]                                                      | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]                                                      | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]                                                      | 53                        |                    |        |  |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[3]                                                      | 53                        |                    |        |  |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[4]                                                      | 53                        |                    |        |  |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[5]                                                      | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]                                                      | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]                                                      | 53                        |                    |        |  |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[8]                                                      | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]                                                      | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]                                                     | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]                                                     | 53                        |                    |        |  |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[12]                                                     | 53                        |                    |        |  |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[13]                                                     | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]                                                     | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]                                                     | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]                                                      | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]                                                      | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]                                                      | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]                                                      | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]                                                      | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]                                                      | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]                                                      | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]                                                      | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]                                                      | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]                                                      | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]                                                     | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]                                                     | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]                                                     | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]                                                     | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]                                                     | 53                        |                    |        |  |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]                                                     | 53                        |                    |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                        | tgt_Pim_CurrTempOffset    |                    |        |  |
| Name                                                                                                | Actual Value              | Expected Value     | Result |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                                                | 4800                      | 4800               | •      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                                                | 4800                      | 4800               | •      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                                                | 4800                      | 4800               | •      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                                                | 4800                      | 4800               | •      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                                                | 4800                      | 4800               | •      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                                                | 4800                      | 4800               | •      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                | 4800                      | 4800               | •      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                                                | 4800                      | 4800               | •      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                                                | 4800                      | 4800               | •      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                                                | 4800                      | 4800               | •      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                               | 4800                      | 4800               | •      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                                               | 4800                      | 4800               | •      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                               | 4800                      | 4800               | •      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                               | 4800                      | 4800               | •      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                               | 4800                      | 4800               | •      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                                               | 4800                      | 4800               | •      |  |
|                                                                                                     |                           | 1.50               |        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                                                  | 53                        | 53                 | •      |  |
|                                                                                                     | 53<br>53<br>53            | 53<br>53<br>53     | •      |  |

CmMtrCurrTempOffset\_Scom\_Set

2016-07-24, 12:49:26+0530



| Name                                                | Actual Value | Expected Value | Result |
|-----------------------------------------------------|--------------|----------------|--------|
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]  | 53           | 53             | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]  | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]  | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]  | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]  | 53           | 53             | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]  | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]  | 53           | 53             | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10] | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11] | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12] | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13] | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14] | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15] | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]  | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]  | 53           | 53             | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]  | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]  | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]  | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]  | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]  | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]  | 53           | 53             | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]  | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]  | 53           | 53             | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10] | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11] | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12] | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] | 53           | 53             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] | 53           | 53             | ~      |

| Test Step Call Trace                               |       |                                                    |       | <b>✓</b> |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock | 1     | ~        |

| Test Step 1.3 (Repeat Count = 1)                  | v v v v v v v v v v v v v v v v v v v |
|---------------------------------------------------|---------------------------------------|
| Name                                              | Input Value                           |
| CurrTempOffCal                                    | tgt_CurrTempOffCal                    |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr             |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]  | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]  | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]  | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]  | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]  | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]  | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]  | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]  | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]  | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]  | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] | -1600                                 |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] | -1600                                 |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]    | -14                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]    | -16                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]    | -18                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]    | -20                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]    | -23                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]    | -25                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]    | -27                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]    | -29                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]    | -31                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]    | -33                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]   | -35                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]   | -37                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]   | -39                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]   | -41                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]   | -43                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]   | -45                                   |

2016-07-24, 12:49:26+0530



 ${\it CmMtrCurrTempOffset\_Scom\_Set}$ 

| Name                                                                                                  | Input Value            |                |          |
|-------------------------------------------------------------------------------------------------------|------------------------|----------------|----------|
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]                                                        | 2                      |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]                                                        | 4                      |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]                                                        | 6                      |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]                                                        | 8                      |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]                                                        | 10                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]                                                        | 12                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]                                                        | 14                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]                                                        | 16                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]                                                        | 18                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]                                                        | 20                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]                                                       | 23                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]                                                       | 25                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]                                                       | 27                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]                                                       | 29                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]                                                       | 31                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]                                                       |                        |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                          | tgt_Pim_CurrTempOffset | l=             | B 1/     |
| Name                                                                                                  | Actual Value           | Expected Value | Result   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                                                  | -1600                  | -1600          | <b>Y</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                                                  | -1600                  | -1600          | <b>-</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                                                  | -1600                  | -1600          | <b>Y</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                                                  | -1600                  | -1600          | ·        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                                                  | -1600                  | -1600          | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                                                  | -1600                  | -1600          |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                  | -1600                  | -1600          |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                                                  | -1600                  | -1600          | _        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                                                  | -1600                  | -1600          | <u> </u> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                                                  | -1600                  | -1600          | •        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                                 | -1600                  | -1600          | <u> </u> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                                                 | -1600                  | -1600          |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                 | -1600                  | -1600          | <b>~</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                                 | -1600                  | -1600          |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                 | -1600                  | -1600          | <b>~</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                                                 | -1600                  | -1600          | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                                                    | -14                    | -14            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                                                    | -16<br>-18             | -16            |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                                                    | -20                    | -18<br>-20     |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4] | -23                    | -23            |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]                                                    | -25                    | -25            |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[6]                                                    | -27                    | -27            |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                                                    | -29                    | -29            |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                                                    | -31                    | -31            |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[9]                                                    | -33                    | -33            |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                                                   | -35                    | -35            |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[11]                                                   | -37                    | -37            |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                                                   | -39                    | -39            |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                                                   | -41                    | -41            |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                                                   | -43                    | -43            |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                                                   | -45                    | -45            |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                                                    | 2                      | 2              |          |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[1]                                                    | 4                      | 4              |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                                                    | 6                      | 6              |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                                                    | 8                      | 8              |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                                                    | 10                     | 10             |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                                                    | 12                     | 12             | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                                                    | 14                     | 14             |          |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[7]                                                    | 16                     | 16             | -        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                                                    | 18                     | 18             |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                                                    | 20                     | 20             |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                   | 23                     | 23             |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                                                   | 25                     | 25             |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                                                   | 27                     | 27             |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                                                   | 29                     | 29             |          |
|                                                                                                       |                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                                                   | 31                     | 31             | <b>✓</b> |

| Test Step Call Trace                               |       |                                                    |       | V      |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |
| Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock | 1     | ~      |



| Test Step 1.4 (Repeat Count = 1)                                                                          |                           |                | <b>✓</b> |
|-----------------------------------------------------------------------------------------------------------|---------------------------|----------------|----------|
| Name                                                                                                      | Input Value               |                |          |
| CurrTempOffCal                                                                                            | tgt_CurrTempOffCal        |                |          |
| Rte_Inst_Sa_CmMtrCurr                                                                                     | tgt_Rte_Inst_Sa_CmMtrCurr |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]                                                          | 4800                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]                                                          | 4800                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]                                                          | 4800                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]         | 4800<br>4800              |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]                                                          | 4800                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]                                                          | 4800                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]                                                          | 4800                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]                                                          | 4800                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]                                                          | 4800                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]                                                         | 4800                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]                                                         | 4800                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]                                                         | 4800<br>4800              |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]       | 4800                      |                |          |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[15]                                                         | 4800                      |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]                                                            | -47                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]                                                            | -49                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]                                                            | -51                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]                                                            | -53                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]                                                            | 2                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]                                                            | 4                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]                                                            | 6                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]             | 8                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]                                                            | 12                        |                |          |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[10]                                                           | 14                        |                |          |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[11]                                                           | 16                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]                                                           | 18                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]                                                           | 20                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]                                                           | 23                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]                                                           | 25                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]                                                            | 35                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]                                                            | 37                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]             | 39<br>41                  |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]                                                            | 43                        |                |          |
| tgt CurrTempOffCal.CurrOffsetY2 Volts s4p11[5]                                                            | 45                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]                                                            | 47                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]                                                            | 49                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]                                                            | 51                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]                                                            | 53                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]                                                           | -2                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]                                                           | -4                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]                                                           | -6<br>-8                  |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]           | -10                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]                                                           | -12                       |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                              | tgt_Pim_CurrTempOffset    |                |          |
| Name                                                                                                      | Actual Value              | Expected Value | Result   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                                                      | 4800                      | 4800           | ✓        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                                                      | 4800                      | 4800           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                                                      | 4800                      | 4800           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                                                      | 4800                      | 4800           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                                                      | 4800                      | 4800           | <b>~</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                                                      | 4800                      | 4800           | <b>*</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                      | 4800                      | 4800           | <i>y</i> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7] tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8] | 4800<br>4800              | 4800<br>4800   |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                                                      | 4800                      | 4800           |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                                     | 4800                      | 4800           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                                                     | 4800                      | 4800           | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                     | 4800                      | 4800           | ~        |
| $tgt\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5[13]$                                               | 4800                      | 4800           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                     | 4800                      | 4800           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                                                     | 4800                      | 4800           | <b>~</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                                                        | -47                       | -47            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                                                        | -49<br>-51                | -49<br>-51     | Ž        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                                                        | -01                       | -01            |          |

2016-07-24, 12:49:26+0530



| Name                                                | Actual Value | Expected Value | Result |
|-----------------------------------------------------|--------------|----------------|--------|
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]  | -53          | -53            | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]  | 2            | 2              | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]  | 4            | 4              | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]  | 6            | 6              | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]  | 8            | 8              | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]  | 10           | 10             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]  | 12           | 12             | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10] | 14           | 14             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11] | 16           | 16             | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12] | 18           | 18             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13] | 20           | 20             | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14] | 23           | 23             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15] | 25           | 25             | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]  | 35           | 35             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]  | 37           | 37             | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]  | 39           | 39             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]  | 41           | 41             | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]  | 43           | 43             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]  | 45           | 45             | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]  | 47           | 47             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]  | 49           | 49             | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]  | 51           | 51             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]  | 53           | 53             | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10] | -2           | -2             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11] | -4           | -4             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12] | -6           | -6             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] | -8           | -8             | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] | -10          | -10            | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] | -12          | -12            | ~      |

| Test Step Call Trace                               |       |                                                    |       |        |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |
| Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock | 1     | Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock | 1     | ~      |

| Test Step 1.5 (Repeat Count = 1)                  | v v v v v v v v v v v v v v v v v v v |
|---------------------------------------------------|---------------------------------------|
| Name                                              | Input Value                           |
| CurrTempOffCal                                    | tgt_CurrTempOffCal                    |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr             |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]  | 320                                   |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]  | 480                                   |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]  | 640                                   |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]  | 800                                   |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]  | 960                                   |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]  | 1280                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]  | 1440                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]  | 1600                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]  | 2080                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]  | 2400                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] | 2560                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] | 2720                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] | 3040                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] | 3360                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] | 3680                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] | 4160                                  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]    | 35                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]    | 37                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]    | 39                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]    | 41                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]    | 43                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]    | 45                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]    | 47                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]    | 49                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]    | 51                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]    | 53                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]   | -2                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]   | -4                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]   | -6                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]   | -8                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]   | -10                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]   | -12                                   |

2016-07-24, 12:49:26+0530



CmMtrCurrTempOffset\_Scom\_Set

| Name                                                                                                    | Input Value            |                |          |
|---------------------------------------------------------------------------------------------------------|------------------------|----------------|----------|
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]                                                          | -14                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]                                                          | -16                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]                                                          | -18                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]                                                          | -20                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]                                                          | -23                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]                                                          | -25                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]                                                          | -27                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]                                                          | -29                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]                                                          | -31                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]                                                          | -33                    |                |          |
| tgt CurrTempOffCal.CurrOffsetY2 Volts s4p11[10]                                                         | -35                    |                |          |
| tgt CurrTempOffCal.CurrOffsetY2 Volts s4p11[11]                                                         | -37                    |                |          |
| tgt CurrTempOffCal.CurrOffsetY2 Volts s4p11[12]                                                         | -39                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]                                                         | -41                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]                                                         | -43                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]                                                         | -45                    |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                            | tgt_Pim_CurrTempOffset |                |          |
| Name                                                                                                    | Actual Value           | Expected Value | Result   |
|                                                                                                         | 320                    | 320            | Result   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                                                    |                        |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                                                    | 480                    | 480            |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                                                    | 640                    | 640            | <b>V</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                                                    | 800                    | 800            | <b>V</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                                                    | 960                    | 960            | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                                                    | 1280                   | 1280           | <b>V</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                    | 1440                   | 1440           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                                                    | 1600                   | 1600           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                                                    | 2080                   | 2080           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                                                    | 2400                   | 2400           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                                   | 2560                   | 2560           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                                                   | 2720                   | 2720           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                   | 3040                   | 3040           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                                   | 3360                   | 3360           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                   | 3680                   | 3680           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                                                   | 4160                   | 4160           | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                                                      | 35                     | 35             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                                                      | 37                     | 37             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                                                      | 39                     | 39             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                                                      | 41                     | 41             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                                                      | 43                     | 43             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]                                                      | 45                     | 45             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                                                      | 47                     | 47             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                                                      | 49                     | 49             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                                                      | 51                     | 51             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]                                                      | 53                     | 53             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                                                     | -2                     | -2             | ~        |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[11]                                                     | -4                     | -4             | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[12]                                                     | -6                     | -6             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                                                     | -8                     | -8             | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[14]                                                     | -10                    | -10            | ~        |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[15]                                                     | -12                    | -12            | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[0]                                                      | -14                    | -14            | _        |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[1]                                                      | -16                    | -16            | ~        |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[2]                                                      | -18                    | -18            | _        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                                                      | -20                    | -20            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                                                      | -23                    | -23            | -        |
|                                                                                                         | -25                    | -25            | -        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]   | -27                    | -27            | -        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                                                      | -21<br>-29             | -21<br>-29     | -        |
|                                                                                                         |                        |                | -        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                                                      | -31                    | -31            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                                                      | -33                    | -33            |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                     | -35                    | -35            | <b>V</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                                                     | -37                    | -37            | - 4      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                                                     | -39                    | -39            |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] | -41<br>-43             | -41<br>-43     |          |
| ior con contremocoser concorsery / Voits S40.1.1.1.4.1                                                  | 1 =44.3                | 1 =4.3         | •        |

| Test Step Call Trace                               |       |                                                    |       | V      |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |
| Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock | 1     | ~      |

-43 -45

-43

-45

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[14]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[15]



| Test Step 1.6 (Repeat Count = 1)                                                                          |                           |                | ✓        |
|-----------------------------------------------------------------------------------------------------------|---------------------------|----------------|----------|
| Name                                                                                                      | Input Value               |                |          |
| CurrTempOffCal                                                                                            | tgt_CurrTempOffCal        |                |          |
| Rte_Inst_Sa_CmMtrCurr                                                                                     | tgt_Rte_Inst_Sa_CmMtrCurr |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]                                                          | 0                         |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]         | 0                         |                |          |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[3]                                                          | 0                         |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]                                                          | 0                         |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]                                                          | 0                         |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]                                                          | 0                         |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]                                                          | 0                         |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]                                                          | 0                         |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]        | 0 0                       |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]                                                         | 0                         |                |          |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[12]                                                         | 0                         |                |          |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[13]                                                         | 0                         |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]                                                         | 0                         |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]                                                         | 0                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]                                                            | 2                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]                                                            | 4                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]                                                            | 6                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]             | 8<br>10                   |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]                                                            | 12                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]                                                            | 14                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]                                                            | 16                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]                                                            | 18                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]                                                            | 20                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]                                                           | 23                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]                                                           | 25                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]                                                           | 27<br>29                  |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]           | 31                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]                                                           | 33                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]                                                            | -47                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]                                                            | -49                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]                                                            | -51                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]                                                            | -53                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]                                                            | 2                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]             | 6                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]                                                            | 8                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]                                                            | 10                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]                                                            | 12                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]                                                           | 14                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]                                                           | 16                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]                                                           | 18                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]                                                           | 20                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]                                                           | 23<br>25                  |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset              | tgt_Pim_CurrTempOffset    |                |          |
| Name                                                                                                      | Actual Value              | Expected Value | Result   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                                                      | 0                         | 0              | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                                                      | 0                         | 0              | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                                                      | 0                         | 0              | ~        |
| $tgt\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5[3]$                                                | 0                         | 0              | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                                                      | 0                         | 0              | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                                                      | 0                         | 0              | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                      | 0                         | 0              | - 4      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7] tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8] | 0                         | 0              |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                      | 0                         | 0              | <b>V</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                                     | 0                         | 0              | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                                                     | 0                         | 0              | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                     | 0                         | 0              | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                                     | 0                         | 0              | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                     | 0                         | 0              | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                                                     | 0                         | 0              | <b>V</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                                                        | 2                         | 2              |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]     | 6                         | 4<br>6         |          |
|                                                                                                           | 1                         |                |          |

CmMtrCurrTempOffset\_Scom\_Set

2016-07-24, 12:49:26+0530



| Name                                                | Actual Value | Expected Value | Result   |
|-----------------------------------------------------|--------------|----------------|----------|
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]  | 8            | 8              | ✓        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]  | 10           | 10             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]  | 12           | 12             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]  | 14           | 14             | ✓        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]  | 16           | 16             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]  | 18           | 18             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]  | 20           | 20             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10] | 23           | 23             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11] | 25           | 25             | ✓        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12] | 27           | 27             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13] | 29           | 29             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14] | 31           | 31             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15] | 33           | 33             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]  | -47          | -47            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]  | -49          | -49            | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]  | -51          | -51            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]  | -53          | -53            | ✓        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]  | 2            | 2              | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]  | 4            | 4              | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]  | 6            | 6              | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]  | 8            | 8              | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]  | 10           | 10             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]  | 12           | 12             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10] | 14           | 14             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11] | 16           | 16             | ✓        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12] | 18           | 18             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] | 20           | 20             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] | 23           | 23             | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[15] | 25           | 25             | <b>✓</b> |

| Test Step Call Trace                               |       |                                                    |       |        |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |
| Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock | 1     | Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock | 1     | ~      |

| Test Step 1.7 (Repeat Count = 1)                  | <b>✓</b>                  |
|---------------------------------------------------|---------------------------|
| Name                                              | Input Value               |
| CurrTempOffCal                                    | tgt CurrTempOffCal        |
| Rte Inst Sa CmMtrCurr                             | tgt Rte Inst Sa CmMtrCurr |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]  | -1536                     |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]  | -1440                     |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]  | -1376                     |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]  | -1280                     |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]  | -1216                     |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]  | -1120                     |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]  | -1056                     |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]  | -960                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]  | -896                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]  | -800                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] | -704                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] | -640                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] | -480                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] | -384                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] | -320                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] | -160                      |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]    | 35                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]    | 37                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]    | 39                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]    | 41                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]    | 43                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]    | 45                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]    | 47                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]    | 49                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]    | 51                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]    | 53                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]   | -2                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]   | -4                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]   | -6                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]   | -8                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]   | -10                       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]   | -12                       |

2016-07-24, 12:49:26+0530



| Name                                                 | Input Value            |                |        |
|------------------------------------------------------|------------------------|----------------|--------|
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]       | 2                      |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]       | 4                      |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]       | 6                      |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]       | 8                      |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]       | 10                     |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]       | 12                     |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]       | 14                     |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]       | 16                     |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]       | 18                     |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]       | 20                     |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]      | 23                     |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]      | 25                     |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]      | 27                     |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]      | 29                     |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]      | 31                     |                |        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]      | 33                     |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset         | tgt_Pim_CurrTempOffset |                |        |
| Name                                                 | Actual Value           | Expected Value | Result |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0] | -1536                  | -1536          | ✓      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1] | -1440                  | -1440          | ✓      |

| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset          | tgt_Pim_CurrTempOffset |                |          |
|-------------------------------------------------------|------------------------|----------------|----------|
| Name                                                  | Actual Value           | Expected Value | Result   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | -1536                  | -1536          | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]  | -1440                  | -1440          | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | -1376                  | -1376          | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | -1280                  | -1280          | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | -1216                  | -1216          | •        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | -1120                  | -1120          | •        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | -1056                  | -1056          | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | -960                   | -960           | •        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | -896                   | -896           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | -800                   | -800           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | -704                   | -704           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | -640                   | -640           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | -480                   | -480           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | -384                   | -384           | •        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] | -320                   | -320           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] | -160                   | -160           | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | 35                     | 35             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]    | 37                     | 37             | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]    | 39                     | 39             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]    | 41                     | 41             | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]    | 43                     | 43             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]    | 45                     | 45             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]    | 47                     | 47             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]    | 49                     | 49             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]    | 51                     | 51             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]    | 53                     | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]   | -2                     | -2             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]   | -4                     | -4             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]   | -6                     | -6             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]   | -8                     | -8             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]   | -10                    | -10            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]   | -12                    | -12            | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]    | 2                      | 2              | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]    | 4                      | 4              |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]    | 6                      | 6              | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]    | 8                      | 8              |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]    | 10                     | 10             | <b>*</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]    | 12                     | 12             |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]    | 14                     | 14             | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]    | 16                     | 16             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]    | 18                     | 18             | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]    | 20                     | 20             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]   | 23                     | 23             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]   | 25                     | 25             |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]   | 27                     | 27             |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]   | 29                     | 29             | -        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]   | 31                     | 31             |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]   | 33                     | 33             |          |

| Test Step Call Trace                               |       |                                                    |       |        |  |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|--|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |  |
| Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock | 1     | ~      |  |



| Test Step 1.8 (Repeat Count = 1)                                                                      |                           |                |                                       |
|-------------------------------------------------------------------------------------------------------|---------------------------|----------------|---------------------------------------|
| Name                                                                                                  | Input Value               |                |                                       |
| CurrTempOffCal                                                                                        | tgt_CurrTempOffCal        |                |                                       |
| Rte_Inst_Sa_CmMtrCurr                                                                                 | tgt_Rte_Inst_Sa_CmMtrCurr |                |                                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]                                                      | -1440                     |                |                                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]                                                      | -1280                     |                |                                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]                                                      | -1120                     |                |                                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]                                                      | -960                      |                |                                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]                                                      | -800                      |                |                                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]                                                      | -640                      |                |                                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]                                                      | -480                      |                |                                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]                                                      | -160                      |                |                                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]                                                      | 0                         |                |                                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]                                                      | 320                       |                |                                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]                                                     | 640                       |                |                                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]                                                     | 960                       |                |                                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]                                                     | 1280                      |                |                                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]                                                     | 1920                      |                |                                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]                                                     | 2240                      |                |                                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]                                                     | 2560                      |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]                                                        | -53                       |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]                                                        | -53                       |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]                                                        | -53                       |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]                                                        | -53                       |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]                                                        | -53                       |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]                                                        | -53                       |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]                                                        | -53                       |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]                                                        | -53                       |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]                                                        | -53                       |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]                                                        | -53                       |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]                                                       | -53                       |                |                                       |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[11]                                                       | -53                       |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]                                                       | -53                       |                |                                       |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[13]                                                       | -53                       |                |                                       |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[14]                                                       | -53                       |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]                                                       | -53                       |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]                                                        | 35                        |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]                                                        | 37                        |                |                                       |
| tgt CurrTempOffCal.CurrOffsetY2 Volts s4p11[2]                                                        | 39                        |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]                                                        | 41                        |                |                                       |
| tgt CurrTempOffCal.CurrOffsetY2 Volts s4p11[4]                                                        | 43                        |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]                                                        | 45                        |                |                                       |
| tgt CurrTempOffCal.CurrOffsetY2 Volts s4p11[6]                                                        | 47                        |                |                                       |
| tgt CurrTempOffCal.CurrOffsetY2 Volts s4p11[7]                                                        | 49                        |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]                                                        | 51                        |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]                                                        | 53                        |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]                                                       | -2                        |                |                                       |
|                                                                                                       | -2<br>-4                  |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]                                                       |                           |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]                                                       | -6<br>-8                  |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]                                                       |                           |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]                                                       | -10                       |                |                                       |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]                                                       | -12                       |                |                                       |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                          | tgt_Pim_CurrTempOffset    |                |                                       |
| Name                                                                                                  | Actual Value              | Expected Value | Resul                                 |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                                                  | -1440                     | -1440          | •                                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                                                  | -1280                     | -1280          | •                                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                                                  | -1120                     | -1120          | •                                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                                                  | -960                      | -960           |                                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                                                  | -800                      | -800           | •                                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                                                  | -640                      | -640           | •                                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                  | -480                      | -480           | •                                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                                                  | -160                      | -160           |                                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                                                  | 0                         | 0              | •                                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                                                  | 320                       | 320            |                                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                                 | 640                       | 640            |                                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                                                 | 960                       | 960            |                                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                 | 1280                      | 1280           |                                       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[13]                                                 | 1920                      | 1920           |                                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                 | 2240                      | 2240           |                                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                 | 2560                      | 2560           |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                                                    | -53                       | -53            |                                       |
|                                                                                                       | -53<br>-53                | -53<br>-53     |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2] |                           |                |                                       |
|                                                                                                       | -53                       | -53            | · · · · · · · · · · · · · · · · · · · |

CmMtrCurrTempOffset\_Scom\_Set

2016-07-24, 12:49:26+0530



**Actual Value Expected Value** tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[3] -53 -53 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[4] -53 -53 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[5] -53 -53 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[6] -53 -53 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[7] -53 -53 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[8] -53 -53 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[9] -53 -53  $tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[10]$ -53 -53 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[11] -53 -53  $tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[12]$ -53 -53 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[13] -53 -53 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[14] -53 -53 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[15] -53 -53 tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[0] 35 35 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[1] 37 37 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[2] 39 39  $tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[3]$ 41 41 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[4] 43 43 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[5] 45 45 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[6] 47 47 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[7] 49 49 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[8] 51 51 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[9] 53 53 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[10] -2 -2 -4 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[11] -4 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[12] -6 -6 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[13] -8 -8 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[14] -10 -10 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[15] -12 -12

| Test Step Call Trace                               |       |                                                    |       |        |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |
| Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock | 1     | Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock | 1     | ~      |

| Test Step 1.9 (Repeat Count = 1)                  |                           |  |
|---------------------------------------------------|---------------------------|--|
| Name                                              | Input Value               |  |
| CurrTempOffCal                                    | tgt_CurrTempOffCal        |  |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]  | -1120                     |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]  | -896                      |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]  | -672                      |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]  | -448                      |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]  | -224                      |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]  | 224                       |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]  | 448                       |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]  | 672                       |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]  | 896                       |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]  | 1120                      |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] | 1344                      |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] | 1568                      |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] | 1792                      |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] | 2016                      |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] | 2240                      |  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] | 2464                      |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]    | 53                        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]    | 53                        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]    | 53                        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]    | 53                        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]    | 53                        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]    | 53                        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]    | 53                        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]    | 53                        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]    | 53                        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]    | 53                        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]   | 53                        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]   | 53                        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]   | 53                        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]   | 53                        |  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]   | 53                        |  |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[15]   | 53                        |  |

2016-07-24, 12:49:26+0530



CmMtrCurrTempOffset\_Scom\_Set

| Name                                                  | Input Value            |                |          |
|-------------------------------------------------------|------------------------|----------------|----------|
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]        | -14                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]        | -16                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]        | -18                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]        | -20                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]        | -23                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]        | -25                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]        | -27                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]        | -29                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]        | -31                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]        | -33                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]       | -35                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]       | -37                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]       | -39                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]       | -41                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]       | -43                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]       | -45                    |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset          | tgt_Pim_CurrTempOffset |                |          |
| Name                                                  | Actual Value           | Expected Value | Result   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | -1120                  | -1120          | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]  | -896                   | -896           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | -672                   | -672           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | -448                   | -448           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | -224                   | -224           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | 224                    | 224            | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | 448                    | 448            | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | 672                    | 672            | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | 896                    | 896            | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | 1120                   | 1120           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | 1344                   | 1344           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | 1568                   | 1568           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | 1792                   | 1792           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | 2016                   | 2016           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] | 2240                   | 2240           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] | 2464                   | 2464           | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | 53                     | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]    | 53                     | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]    | 53                     | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]    | 53                     | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]    | 53                     | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]    | 53                     | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]    | 53                     | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]    | 53                     | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]    | 53                     | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]    | 53                     | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]   | 53                     | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]   | 53                     | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]   | 53                     | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]   | 53                     | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]   | 53                     | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]   | 53                     | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]    | -14                    | -14            | _        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]    | -16                    | -16            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]    | -18                    | -18            | <b>V</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]    | -20                    | -20            | _        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]    | -23                    | -23            | <b>V</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]    | -25                    | -25            |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]    | -27                    | -27            | - 1      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]    | -29                    | -29            |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]    | -31<br>-33             | -31<br>-33     |          |
|                                                       |                        |                |          |

| Test Step Call Trace                               |       |                                                    |       |        |  |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|--|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |  |
| Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock | 1     | ~      |  |

-33

-35

-37

-39

-41

-43

-45

-33

-35

-37

-39

-41

-43

-45

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[9]

 $tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[10]$ 

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[11]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[12]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[13]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[14]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[15]



Test Step 1.10 (Repeat Count = 1) Input Value Name CurrTempOffCal tgt\_CurrTempOffCal Rte\_Inst\_Sa\_CmMtrCurr tgt\_Rte\_Inst\_Sa\_CmMtrCurr  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[0]$ 288 tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[1] 384  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[2]$ 608  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[3]$ 704 tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[4] 928  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[5]$ 1024 tqt CurrTempOffCal.CurrTempOffsetX DegC s10p5[6] 1248 1344  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[7]$ 1568 tat CurrTempOffCal.CurrTempOffsetX DegC s10p5[8] tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[9] 1664 tat CurrTempOffCal.CurrTempOffsetX DeaC s10p5[10] 1888 tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[11] 1984 tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[12] 2208  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[13]$ 2304  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[14]$ 2528 2624 tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[15] tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[0]  $tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[1]$ 4 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[2] 6  $tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[3]$ 8 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[4] 10 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[5] 12 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[6] 14 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[7] 16 tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[8] 18 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[9] 20  $tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[10]$ 23 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[11] 25 27 tat CurrTempOffCal.CurrOffsetY1 Volts s4p11[12] tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[13] 29 tqt CurrTempOffCal.CurrOffsetY1 Volts s4p11[14] 31 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[15] 33 tgt CurrTempOffCal.CurrOffsetY2 Volts s4p11[0] -47 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[1] -49 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[2] -51 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[3] -53 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[4] 2 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[5] 4 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[6] 6 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[7] 8 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[8] 10 12  $tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[9]$ tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[10] 14 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[11] 16 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[12] 18 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[13] 20 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[14] 23 tgt CurrTempOffCal.CurrOffsetY2 Volts s4p11[15] 25  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_CurrTempOffset$ tgt\_Pim\_CurrTempOffset **Actual Value Expected Value** Name Result  $tgt\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5[0]$ 288 384 tgt\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5[1] 384  $tgt\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5[2]$ 608  $tgt\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5[3]$ 704 704  $tgt\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5[4]$ 928 928 1024 1024 tgt\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5[5]  $tgt\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5[6]$ 1248 1248  $tgt\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5[7]$ 1344 1344  $tgt\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5[8]$ 1568 1568 1664  $tgt\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5[9]$ 1664  $tgt\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5[10]$ 1888 1888 **v** tgt\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5[11] 1984 1984  $tgt\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5[12]$ 2208 2208 tgt\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5[13] 2304 2304 2528 2528 tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[14] 2624 2624 tgt\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5[15] tqt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[0] 2 2

4

6

6

tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[1]

2016-07-24, 12:49:26+0530



| Name                                                | Actual Value | Expected Value | Result   |
|-----------------------------------------------------|--------------|----------------|----------|
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]  | 8            | 8              | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]  | 10           | 10             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]  | 12           | 12             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]  | 14           | 14             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]  | 16           | 16             | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]  | 18           | 18             | -        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]  | 20           | 20             | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10] | 23           | 23             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11] | 25           | 25             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12] | 27           | 27             | -        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13] | 29           | 29             | <b>~</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14] | 31           | 31             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15] | 33           | 33             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]  | -47          | -47            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]  | -49          | -49            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]  | -51          | -51            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]  | -53          | -53            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]  | 2            | 2              | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]  | 4            | 4              | <b>~</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]  | 6            | 6              | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]  | 8            | 8              | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]  | 10           | 10             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]  | 12           | 12             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10] | 14           | 14             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11] | 16           | 16             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12] | 18           | 18             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] | 20           | 20             | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] | 23           | 23             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] | 25           | 25             | •        |

| Test Step Call Trace                               |       |                                                    |       |        |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |
| Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock | 1     | Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock | 1     | ~      |

| Test Step 1.11 (Repeat Count = 1)                 |                           |
|---------------------------------------------------|---------------------------|
| Name                                              | Input Value               |
| CurrTempOffCal                                    | tgt_CurrTempOffCal        |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]  | 96                        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]  | 192                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]  | 288                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]  | 416                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]  | 512                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]  | 608                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]  | 736                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]  | 832                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]  | 928                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]  | 1056                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] | 1152                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] | 1248                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] | 1376                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] | 1472                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] | 1568                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] | 1760                      |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]    | 0                         |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]    | 0                         |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]    | 0                         |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]    | 0                         |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]    | 0                         |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]    | 0                         |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]    | 0                         |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]    | 0                         |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]    | 0                         |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]    | 0                         |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]   | 0                         |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]   | 0                         |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]   | 0                         |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]   | 0                         |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]   | 0                         |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[15]   | 0                         |

2016-07-24, 12:49:26+0530



| CmMtrCurrTempOffset_Scom_Set                          |                        |                | MADULAT  |
|-------------------------------------------------------|------------------------|----------------|----------|
| Name                                                  | Input Value            |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]        | 35                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]        | 37                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]        | 39                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]        | 41                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]        | 43                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]        | 45                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]        | 47                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]        | 49                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]        | 51                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]        | 53                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]       | -2                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]       | -4                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]       | -6                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]       | -8                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]       | -10                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]       | -12                    |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset          | tgt_Pim_CurrTempOffset |                |          |
| Name                                                  | Actual Value           | Expected Value | Result   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | 96                     | 96             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]  | 192                    | 192            | ✓        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | 288                    | 288            | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | 416                    | 416            | ✓        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | 512                    | 512            | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | 608                    | 608            | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | 736                    | 736            | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | 832                    | 832            | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | 928                    | 928            | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | 1056                   | 1056           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | 1152                   | 1152           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | 1248                   | 1248           | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | 1376                   | 1376           | <b>✓</b> |
| tat Dim CurrTempOffeet CurrTempOffeetV DeaC e10p5[13] | 1472                   | 1472           |          |

| tgt_Piin_CurrrempOliset.CurrrempOlisetx_DegC_s10p5[2] | 200  | 200  | _ |
|-------------------------------------------------------|------|------|---|
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | 416  | 416  | • |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | 512  | 512  | ~ |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | 608  | 608  | ~ |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | 736  | 736  | ~ |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | 832  | 832  | ~ |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | 928  | 928  | ~ |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | 1056 | 1056 | ~ |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | 1152 | 1152 | ~ |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | 1248 | 1248 | ~ |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | 1376 | 1376 | ~ |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | 1472 | 1472 | ~ |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] | 1568 | 1568 | ~ |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] | 1760 | 1760 | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | 0    | 0    | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]    | 0    | 0    | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]    | 0    | 0    | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]    | 0    | 0    | • |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]    | 0    | 0    | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]    | 0    | 0    | • |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]    | 0    | 0    | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]    | 0    | 0    | • |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]    | 0    | 0    | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]    | 0    | 0    | • |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]   | 0    | 0    | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]   | 0    | 0    | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]   | 0    | 0    | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]   | 0    | 0    | • |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]   | 0    | 0    | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]   | 0    | 0    | • |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]    | 35   | 35   | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]    | 37   | 37   | • |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]    | 39   | 39   | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]    | 41   | 41   | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]    | 43   | 43   | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]    | 45   | 45   | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]    | 47   | 47   | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]    | 49   | 49   | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]    | 51   | 51   | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]    | 53   | 53   | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]   | -2   | -2   | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]   | -4   | -4   | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]   | -6   | -6   | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]   | -8   | -8   | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]   | -10  | -10  | ~ |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]   | -12  | -12  | ~ |
|                                                       |      |      |   |

| Test Step Call Trace                                |       |                                                     |       | <b>✓</b> |
|-----------------------------------------------------|-------|-----------------------------------------------------|-------|----------|
| Actual Function                                     | Count | Expected Function                                   | Count | Result   |
| Pte Call Sa CmMtrCurr FOI CurrTempOffset WriteBlock | 1     | Rte Call Sa CmMtrCurr FOI CurrTempOffset WriteBlock | 1     | -        |



| Test Step 1.12 (Repeat Count = 1)                                                                                                                                                                                       |                           |                | <b>~</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------|----------|
| Name                                                                                                                                                                                                                    | Input Value               |                |          |
| CurrTempOffCal                                                                                                                                                                                                          | tgt_CurrTempOffCal        |                |          |
| Rte_Inst_Sa_CmMtrCurr                                                                                                                                                                                                   | tgt_Rte_Inst_Sa_CmMtrCurr |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]                                                                                                                                                                        | -928                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]                                                                                                                                                                        | -608                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]                                                                                                                                                                        | 0                         |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]                                                                                                                                                                        | 736                       |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]                                                                                                                                                                        | 1056                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]                                                                                                                                                                        | 1408                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]                                                                                                                                                                        | 1568                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]                                                                                                                                                                        | 2016                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]                                                                                                                                                                        | 2368                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]                                                                                                                                                                        | 2688                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]                                                                                                                                                                       | 2848                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]                                                                                                                                                                       | 3200                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]                                                                                                                                                                       | 3936                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]                                                                                                                                                                       | 4544                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]                                                                                                                                                                       | 4640                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]                                                                                                                                                                       | 4768                      |                |          |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[0]                                                                                                                                                                          | -14                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]                                                                                                                                                                          | -16                       |                |          |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[2]                                                                                                                                                                          | -18                       |                |          |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[3]                                                                                                                                                                          | -20                       |                |          |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[4]                                                                                                                                                                          | -23                       |                |          |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[5]                                                                                                                                                                          | -25                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]                                                                                                                                                                          | -27                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]                                                                                                                                                                          | -29                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]                                                                                                                                                                          | -31                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]                                                                                                                                                                          | -33                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]                                                                                                                                                                         | -35                       |                |          |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[11]                                                                                                                                                                         | -37                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]                                                                                                                                                                         | -39                       |                |          |
|                                                                                                                                                                                                                         | -41                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]                                                                                                                                                                         |                           |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]                                                                                                                                                                         | -43<br>-45                |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]                                                                                                                                                                         |                           |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]                                                                                                                                                                          | -14                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]                                                                                                                                                                          | -16                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]                                                                                                                                                                          | -18                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]                                                                                                                                                                          | -20                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]                                                                                                                                                                          | -23                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]                                                                                                                                                                          | -25                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]                                                                                                                                                                          | -27                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]                                                                                                                                                                          | -29                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]                                                                                                                                                                          | -31                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]                                                                                                                                                                          | -33                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]                                                                                                                                                                         | -35                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]                                                                                                                                                                         | -37                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]                                                                                                                                                                         | -39                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]                                                                                                                                                                         | -41                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]                                                                                                                                                                         | -43                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]                                                                                                                                                                         | -45                       |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                                                                                                                                            | tgt_Pim_CurrTempOffset    |                |          |
| Name                                                                                                                                                                                                                    | Actual Value              | Expected Value | Resul    |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                                                                                                                                                                    | -928                      | -928           | •        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                                                                                                                                                                    | -608                      | -608           |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                                                                                                                                                                    | 0                         | 0              | •        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                                                                                                                                                                    | 736                       | 736            | •        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                                                                                                                                                                    | 1056                      | 1056           | •        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                                                                                                                                                                    | 1408                      | 1408           |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                                                                                                                                    | 1568                      | 1568           |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                                                                                                                                                                    | 2016                      | 2016           |          |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[8]                                                                                                                                                                    | 2368                      | 2368           |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                                                                                                                                                                    | 2688                      | 2688           |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                                                                                                                                                   | 2848                      | 2848           |          |
|                                                                                                                                                                                                                         | 3200                      | 3200           |          |
| tat Pim Curriempotiset, Curriempotisetx Deal, Stubstiti                                                                                                                                                                 | 3936                      | 3936           |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] tgt_Pim_CurrTempOffsetCurrTempOffsetX_DegC_s10p5[12]                                                                                                              |                           |                | 1        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                                                                                                                                   |                           | 4544           |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                                                                                             | 4544                      | 4544           |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                       | 4544<br>4640              | 4640           |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] | 4544<br>4640<br>4768      | 4640<br>4768   |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                       | 4544<br>4640              | 4640           |          |

CmMtrCurrTempOffset\_Scom\_Set

2016-07-24, 12:49:26+0530



**Actual Value Expected Value** tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[3] -20 -20 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[4] -23 -23 -25 -25 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[5] tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[6] -27 -27 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[7] -29 -29 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[8] -31 -31 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[9] -33 -33  $tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[10]$ -35 -35 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[11] -37 -37  $tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[12]$ -39 -39 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[13] -41 -41 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[14] -43 -43 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[15] -45 -45 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[0] -14 -14 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[1] -16 -16 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[2] -18 -18  $tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[3]$ -20 -20 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[4] -23 -23  $tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[5]$ -25 -25 -27 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[6] -27 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[7] -29 -29 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[8] -31 -31 -33 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[9] -33 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[10] -35 -35 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[11] -37 -37 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[12] -39 -39 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[13] -41 -41  $tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[14]$ -43 -43 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[15] -45 -45

| Test Step Call Trace                               |       |                                                    |       |        |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |
| Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock | 1     | Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock | 1     | ~      |

| Test Step 1.13 (Repeat Count = 1)                 | <b>✓</b>                  |
|---------------------------------------------------|---------------------------|
| Name                                              | Input Value               |
| CurrTempOffCal                                    | tgt_CurrTempOffCal        |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]  | 0                         |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]  | 320                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]  | 640                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]  | 960                       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]  | 1600                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]  | 1280                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]  | 1920                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]  | 2240                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]  | 2560                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]  | 2880                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] | 3200                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] | 3520                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] | 3840                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] | 4160                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] | 4480                      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] | 4800                      |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]    | -47                       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]    | -49                       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]    | -51                       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]    | -53                       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]    | 2                         |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]    | 4                         |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]    | 6                         |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]    | 8                         |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]    | 10                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]    | 12                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]   | 14                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]   | 16                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]   | 18                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]   | 20                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]   | 23                        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]   | 25                        |

2016-07-24, 12:49:26+0530



CmMtrCurrTempOffset\_Scom\_Set

| Name                                                  | Input Value            |                |          |
|-------------------------------------------------------|------------------------|----------------|----------|
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]        | -53                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]        | -53                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]        | -53                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]        | -53                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]        | -53                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]        | -53                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]        | -53                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]        | -53                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]        | -53                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]        | -53                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]       | -53                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]       | -53                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]       | -53                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]       | -53                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]       | -53                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]       | -53                    |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset          | tgt_Pim_CurrTempOffset |                |          |
| Name                                                  | Actual Value           | Expected Value | Result   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | 0                      | 0              | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]  | 320                    | 320            | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | 640                    | 640            | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | 960                    | 960            | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | 1600                   | 1600           | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[5]  | 1280                   | 1280           | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | 1920                   | 1920           | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[7]  | 2240                   | 2240           | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[8]  | 2560                   | 2560           | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | 2880                   | 2880           | <b>~</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | 3200                   | 3200           | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | 3520                   | 3520           | <b>~</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | 3840                   | 3840           | •        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | 4160                   | 4160           | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] | 4480                   | 4480           | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] | 4800                   | 4800           | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | -47                    | -47            | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]    | -49                    | -49            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]    | -51                    | -51            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]    | -53                    | -53            | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]    | 2                      | 2              | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]    | 4                      | 4              | ✓        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]    | 6                      | 6              | ✓        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]    | 8                      | 8              | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]    | 10                     | 10             | ✓        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]    | 12                     | 12             | ✓        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]   | 14                     | 14             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]   | 16                     | 16             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]   | 18                     | 18             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]   | 20                     | 20             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]   | 23                     | 23             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]   | 25                     | 25             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]    | -53                    | -53            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]    | -53                    | -53            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]    | -53                    | -53            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]    | -53                    | -53            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]    | -53                    | -53            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]    | -53                    | -53            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]    | -53                    | -53            | <b>~</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]    | -53                    | -53            | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]    | -53                    | -53            | <u> </u> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]    | -53                    | -53            | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]   | -53                    | -53            | <b>~</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]   | -53                    | -53            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]   | -53                    | -53            | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]   | -53                    | -53            | ~        |
| tat Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[14]   | -53                    | -53            |          |

| Test Step Call Trace                               |       |                                                    |       | V      |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |
| Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock | 1     | ~      |

-53 -53

-53

-53

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[14]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[15]



| Test Step 1.14 (Repeat Count = 1)                                                                     |                           |                | ✓        |
|-------------------------------------------------------------------------------------------------------|---------------------------|----------------|----------|
| Name                                                                                                  | Input Value               |                |          |
| CurrTempOffCal                                                                                        | tgt_CurrTempOffCal        |                |          |
| Rte_Inst_Sa_CmMtrCurr                                                                                 | tgt_Rte_Inst_Sa_CmMtrCurr |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]                                                      | 224                       |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]                                                      | 544                       |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]                                                      | 864                       |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]                                                      | 1184                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]                                                      | 1504                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]                                                      | 1824                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]                                                      | 2144                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]                                                      | 2464                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]                                                      | 2784                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]                                                      | 3104<br>3424              |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]   | 3744                      |                |          |
| tgt CurrTempOffCal.CurrTempOffsetX_DegC s10p5[12]                                                     | 4064                      |                |          |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[13]                                                     | 4384                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]                                                     | 4480                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]                                                     | 4704                      |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]                                                        | 2                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]                                                        | 4                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]                                                        | 6                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]                                                        | 8                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]                                                        | 10                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]                                                        | 12                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]                                                        | 14                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]                                                        | 16                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]                                                        | 18                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]                                                        | 20                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]                                                       | 23                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]                                                       | 25                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]                                                       | 27<br>29                  |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]       | 31                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]                                                       | 33                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]                                                        | 53                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]                                                        | 53                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]                                                        | 53                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]                                                        | 53                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]                                                        | 53                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]                                                        | 53                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]                                                        | 53                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]                                                        | 53                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]                                                        | 53                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]                                                        | 53                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]                                                       | 53                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]                                                       | 53                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]                                                       | 53<br>53                  |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]                                                       | 53                        |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]       | 53                        |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                          | tgt_Pim_CurrTempOffset    |                |          |
| Name                                                                                                  | Actual Value              | Expected Value | Result   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                                                  | 224                       | 224            | result   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                                                  | 544                       | 544            | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                                                  | 864                       | 864            | ~        |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[3]                                                  | 1184                      | 1184           | ✓        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                                                  | 1504                      | 1504           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                                                  | 1824                      | 1824           | ✓        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                  | 2144                      | 2144           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                                                  | 2464                      | 2464           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                                                  | 2784                      | 2784           | ~        |
| $tgt\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5[9]$                                            | 3104                      | 3104           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                                 | 3424                      | 3424           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                                                 | 3744                      | 3744           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                 | 4064                      | 4064           | ~        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                                 | 4384                      | 4384           | · ·      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                 | 4480                      | 4480           |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                                                 | 2                         | 4704           | · ·      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1] | 4                         | 4              |          |
|                                                                                                       |                           | 7              |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                                                    | 6                         | 6              | <b>✓</b> |

2016-07-24, 12:49:26+0530



| Name                                                | Actual Value | Expected Value | Result   |
|-----------------------------------------------------|--------------|----------------|----------|
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]  | 8            | 8              | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]  | 10           | 10             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]  | 12           | 12             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]  | 14           | 14             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]  | 16           | 16             | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]  | 18           | 18             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]  | 20           | 20             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10] | 23           | 23             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11] | 25           | 25             | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12] | 27           | 27             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13] | 29           | 29             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14] | 31           | 31             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15] | 33           | 33             | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]  | 53           | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]  | 53           | 53             | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]  | 53           | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]  | 53           | 53             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]  | 53           | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]  | 53           | 53             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]  | 53           | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]  | 53           | 53             | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]  | 53           | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]  | 53           | 53             | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10] | 53           | 53             | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11] | 53           | 53             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12] | 53           | 53             | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] | 53           | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] | 53           | 53             | ~        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] | 53           | 53             | ~        |

| Test Step Call Trace                               |       |                                                    |       |        |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |
| Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock | 1     | Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock | 1     | ~      |

| Test Step 1.15 (Repeat Count = 1)                 | v v v v v v v v v v v v v v v v v v v |
|---------------------------------------------------|---------------------------------------|
| Name                                              | Input Value                           |
| CurrTempOffCal                                    | tgt_CurrTempOffCal                    |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr             |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]  | 32                                    |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]  | 352                                   |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]  | 672                                   |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]  | 992                                   |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]  | 1312                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]  | 1632                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]  | 1952                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]  | 2272                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]  | 2592                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]  | 2912                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] | 3232                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] | 3552                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] | 3872                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] | 4192                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] | 4512                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] | 4768                                  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]    | 35                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]    | 37                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]    | 39                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]    | 41                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]    | 43                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]    | 45                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]    | 47                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]    | 49                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]    | 51                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]    | 53                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]   | -2                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]   | -4                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]   | -6                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]   | -8                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]   | -10                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]   | -12                                   |

2016-07-24, 12:49:26+0530



| Name                                                                                                    | Input Value            |                |          |
|---------------------------------------------------------------------------------------------------------|------------------------|----------------|----------|
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]                                                          | 2                      |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]                                                          | 4                      |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]                                                          | 6                      |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]                                                          | 8                      |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]                                                          | 10                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]                                                          | 12                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]                                                          | 14                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]                                                          | 16                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]                                                          | 18                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]                                                          | 20                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]                                                         | 23                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]                                                         | 25                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]                                                         | 27                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]                                                         | 29                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]                                                         | 31                     |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]                                                         | 33                     |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                            | tgt_Pim_CurrTempOffset |                |          |
| Name                                                                                                    | Actual Value           | Expected Value | Result   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                                                    | 32                     | 32             | ~        |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[1]                                                    | 352                    | 352            | •        |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[2]                                                    | 672                    | 672            | -        |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[3]                                                    | 992                    | 992            | •        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                                                    | 1312                   | 1312           |          |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[5]                                                    | 1632                   | 1632           | <b>~</b> |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[6]                                                    | 1952                   | 1952           | -        |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[7]                                                    | 2272                   | 2272           | <b>V</b> |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[8]                                                    | 2592                   | 2592           | -        |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[9]                                                    | 2912                   | 2912           | <b>V</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                                   | 3232                   | 3232           | -        |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[11]                                                   | 3552                   | 3552           | <b>~</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                   | 3872                   | 3872           | -        |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[13]                                                   | 4192                   | 4192           | <b>~</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                   | 4512                   | 4512           | -        |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[15]                                                   | 4768                   | 4768           | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                                                      | 35                     | 35             | -        |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[1]                                                      | 37                     | 37             | <b>V</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                                                      | 39                     | 39             | -        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                                                      | 41                     | 41             | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                                                      | 43                     | 43             | -        |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[5]                                                      | 45                     | 45             | <b>~</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                                                      | 47                     | 47             | -        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                                                      | 49                     | 49             | <b>V</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                                                      | 51                     | 51             | -        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]                                                      | 53                     | 53             | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                                                     | -2                     | -2             | -        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                                                     | -4                     | -4             | •        |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[12]                                                     | -6                     | -6             | _        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                                                     | -8                     | -8             | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                                                     | -10                    | -10            |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                                                     | -12                    | -12            | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                                                      | 2                      | 2              | -        |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[1]                                                      | 4                      | 4              | •        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                                                      | 6                      | 6              | -        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                                                      | 8                      | 8              |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                                                      | 10                     | 10             | -        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                                                      | 12                     | 12             | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                                                      | 14                     | 14             | ,        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                                                      | 16                     | 16             | <b>~</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                                                      | 18                     | 18             | -        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                                                      | 20                     | 20             |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                     | 23                     | 23             |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11] | 25                     | 25             | -        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12] | 27                     | 27             | -        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                                                     | 29                     | 29             |          |
|                                                                                                         | 31                     | 31             | -        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] | 33                     | 33             | ~        |
| tgt_1 iii_ou/i romponsot.ourionsott2_voits_s4p11[10]                                                    | 00                     |                |          |

| Test Step Call Trace                               |       |                                                    |       | V      |
|----------------------------------------------------|-------|----------------------------------------------------|-------|--------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result |
| Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock | 1     | ~      |



Test Step 1.16 (Repeat Count = 1)

| Name                                                                                                  | Input Value               |                |          |
|-------------------------------------------------------------------------------------------------------|---------------------------|----------------|----------|
| CurrTempOffCal                                                                                        | tgt_CurrTempOffCal        |                |          |
| Rte Inst Sa CmMtrCurr                                                                                 | tgt_Rte_Inst_Sa_CmMtrCurr |                |          |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[0]                                                      | -1184                     |                |          |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[1]                                                      | -928                      |                |          |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[2]                                                      | 480                       |                |          |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[3]                                                      | 960                       |                |          |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[4]                                                      | 1440                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]                                                      | 1920                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]                                                      | 2240                      |                |          |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[7]                                                      | 2400                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]                                                      | 2496                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]                                                      | 3552                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]                                                     | 3648                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]                                                     | 3936                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]                                                     | 4256                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]                                                     | 4544                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]                                                     | 4576                      |                |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]                                                     | 4736                      |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]                                                        | -14                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]                                                        | -16                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]                                                        | -18                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]                                                        | -20                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]                                                        | -23                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]                                                        | -25                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]                                                        | -27                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]                                                        | -29                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]                                                        | -31                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]                                                        | -33                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]                                                       | -35                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]                                                       | -37                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]                                                       | -39                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]                                                       | -41                       |                |          |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[14]                                                       | -43                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]                                                       | -45                       |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]                                                        | 0                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]                                                        | 0                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]                                                        | 0                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]                                                        | 0                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]                                                        | 0                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]                                                        | 0                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]                                                        | 0                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]                                                        | 0                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]                                                        | 0                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]                                                        | 0                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]                                                       | 0                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]                                                       | 0                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]                                                       | 0                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]                                                       | 0                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]                                                       | 0                         |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]                                                       | 0                         |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                          | tgt_Pim_CurrTempOffset    |                |          |
| Name                                                                                                  | Actual Value              | Expected Value | Result   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                                                  | -1184                     | -1184          | -        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                                                  | -928                      | -928           | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                                                  | 480                       | 480            | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                                                  | 960                       | 960            | •        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                                                  | 1440                      | 1440           | -        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                                                  | 1920                      | 1920           | •        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                  | 2240                      | 2240           | •        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                                                  | 2400                      | 2400           | •        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                                                  | 2496                      | 2496           | •        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                                                  | 3552                      | 3552           | •        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                                 | 3648                      | 3648           | -        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                                                 | 3936                      | 3936           | •        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                 | 4256                      | 4256           |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                                 | 4544                      | 4544           | •        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                 | 4576                      | 4576           |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                                                 | 4736                      | 4736           |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                                                    | -14                       | -14            |          |
|                                                                                                       |                           | 1 11           |          |
|                                                                                                       |                           | -16            | <b>-</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2] | -16<br>-18                | -16<br>-18     | ~        |

2016-07-24, 12:49:26+0530



| Name                                                | Actual Value | Expected Value | Result |
|-----------------------------------------------------|--------------|----------------|--------|
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]  | -20          | -20            | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]  | -23          | -23            | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]  | -25          | -25            | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]  | -27          | -27            | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]  | -29          | -29            | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]  | -31          | -31            | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]  | -33          | -33            | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10] | -35          | -35            | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11] | -37          | -37            | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12] | -39          | -39            | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13] | -41          | -41            | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14] | -43          | -43            | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15] | -45          | -45            | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]  | 0            | 0              | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]  | 0            | 0              | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]  | 0            | 0              | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]  | 0            | 0              | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]  | 0            | 0              | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]  | 0            | 0              | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]  | 0            | 0              | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]  | 0            | 0              | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]  | 0            | 0              | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]  | 0            | 0              | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10] | 0            | 0              | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11] | 0            | 0              | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12] | 0            | 0              | ~      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] | 0            | 0              | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] | 0            | 0              | •      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] | 0            | 0              | ~      |

| Test Step Call Trace                               |       |                                                    |       | <b>✓</b> |
|----------------------------------------------------|-------|----------------------------------------------------|-------|----------|
| Actual Function                                    | Count | Expected Function                                  | Count | Result   |
| Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock | 1     | Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock | 1     | ~        |

| Test Step 1.17 (Repeat Count = 1)                 | v v v v v v v v v v v v v v v v v v v |
|---------------------------------------------------|---------------------------------------|
| Name                                              | Input Value                           |
| CurrTempOffCal                                    | tgt_CurrTempOffCal                    |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr             |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]  | 0                                     |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]  | 192                                   |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]  | 512                                   |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]  | 832                                   |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]  | 1152                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]  | 1472                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]  | 1792                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]  | 2112                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]  | 2432                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]  | 2752                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] | 3072                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] | 3392                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] | 3712                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] | 4032                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] | 4352                                  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] | 4672                                  |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]    | -47                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]    | -49                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]    | -51                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]    | -53                                   |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]    | 2                                     |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]    | 4                                     |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]    | 6                                     |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]    | 8                                     |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]    | 10                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]    | 12                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]   | 14                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]   | 16                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]   | 18                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]   | 20                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]   | 23                                    |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]   | 25                                    |

2016-07-24, 12:49:26+0530



 ${\it CmMtrCurrTempOffset\_Scom\_Set}$ 

| Name                                                  | Input Value            |                |          |
|-------------------------------------------------------|------------------------|----------------|----------|
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]        | -14                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]        | -16                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]        | -18                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]        | -20                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]        | -23                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]        | -25                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]        | -27                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]        | -29                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]        | -31                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]        | -33                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]       | -35                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]       | -37                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]       | -39                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]       | -41                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]       | -43                    |                |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]       | -45                    |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset          | tgt_Pim_CurrTempOffset |                |          |
| Name                                                  | Actual Value           | Expected Value | Result   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | 0                      | 0              | ~        |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[1]  | 192                    | 192            | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[2]  | 512                    | 512            | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[3]  | 832                    | 832            | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[4]  | 1152                   | 1152           | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | 1472                   | 1472           | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[6]  | 1792                   | 1792           | _        |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[7]  | 2112                   | 2112           | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[8]  | 2432                   | 2432           | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | 2752                   | 2752           | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[10] | 3072                   | 3072           | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[11] | 3392                   | 3392           | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[12] | 3712                   | 3712           | <b>✓</b> |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | 4032                   | 4032           | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[14] | 4352                   | 4352           | _        |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[15] | 4672                   | 4672           | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[0]    | -47                    | -47            | _        |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[1]    | -49                    | -49            | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[2]    | -51                    | -51            | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[3]    | -53                    | -53            | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[4]    | 2                      | 2              | ~        |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[5]    | 4                      | 4              | <b>~</b> |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]    | 6                      | 6              | ~        |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[7]    | 8                      | 8              | •        |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[8]    | 10                     | 10             | ~        |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[9]    | 12                     | 12             | <b>✓</b> |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[10]   | 14                     | 14             |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[11]   | 16                     | 16             | •        |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[12]   | 18                     | 18             | _        |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[13]   | 20                     | 20             | •        |
| 2                                                     |                        |                |          |

| Test Step Call Trace                                |       |                                                     |       |      | <b>✓</b> |
|-----------------------------------------------------|-------|-----------------------------------------------------|-------|------|----------|
| Actual Function                                     | Count | Expected Function                                   | Count | Resu | ilt      |
| Rte Call Sa CmMtrCurr FOI CurrTempOffset WriteBlock | 1     | Rte Call Sa CmMtrCurr FOI CurrTempOffset WriteBlock | 1     |      | _        |

25

-14

-16

-18

-20

-23

-25

-27

-29

-31

-33

-35

-37

-39

-41

-43

-45

23

25

-14

-16

-18 -20

-23 -25

-27

-29

-31

-33

-35

-37

-39

-41

-43

-45

tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[14]

tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[15]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[0]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[1]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[2]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[3]

 $tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[4]$ 

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[5]

 $tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[6]$ 

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[7]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[8]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[9]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[10]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[11]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[12]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[13]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[14]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[15]

CmMtrCurrTempOffset\_Scom\_Set

2016-07-24, 12:49:26+0530



© Report created by TESSY V3.1.13, report template V2.1

CmMtrCurr\_SCom\_ReadMtrCurrCals

2016-07-24, 12:46:30+0530



Project CmMtrCurr1

 Module
 CmMtrCurr\_MTRCURRPHASEAC\_ON

 Test Object
 CmMtrCurr\_SCom\_ReadMtrCurrCals

### Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|-------------------------|-------|
| Branch (C1) Coverage    | 100 % |

#### **Statistics**

| Total Testcases | 1 |   |
|-----------------|---|---|
| Successful      | 1 | ✓ |
| Failed          | 0 |   |
| Not Executed    | 0 |   |

#### **Module Properties**

| Project Root Directory | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP                                                                                                                                                                                                                                              |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Configuration File     | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config<br>\TMS570_GCC_UDE_CCS4_Config.xml                                                                                                                                                                                        |
| Target Environment     | TI TMS 570 PLS UDE (Default)                                                                                                                                                                                                                                                                  |
| Kind of Test           | Unit Test                                                                                                                                                                                                                                                                                     |
| Linker Options         |                                                                                                                                                                                                                                                                                               |
| Source File(s)         |                                                                                                                                                                                                                                                                                               |
| File                   | \$(PROJECTROOT)\CmMtrCurr\src\Sa_CmMtrCurr.c                                                                                                                                                                                                                                                  |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include |
| File                   | \$(PROJECTROOT)\NxtrLib\src\interpolation.c                                                                                                                                                                                                                                                   |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -l\$(PROJECTROOT)\CmMtrCurr\utp\contract -l\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -l\$(PROJECTROOT)\CmMtrCurr\include -l\$(PROJECTROOT)\NxtrLib\include -l\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include |

| Name                                          | Text                                   |
|-----------------------------------------------|----------------------------------------|
| wame<br>Module<br>CmMtrCurr_MTRCURRPHASEAC_ON | ************************************** |

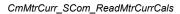
| Attributes            |                                                                      |
|-----------------------|----------------------------------------------------------------------|
| Name                  | Value                                                                |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5 |
| Float Precision       | 9                                                                    |

2016-07-24, 12:46:30+0530



CmMtrCurr\_SCom\_ReadMtrCurrCals

| Attributes          |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| Name                | Value                                                                                    |
| InitObjDir          | \$(PROJECTROOT)\UnitTestEnv\static_build_files\obj                                       |
| InitSrcDir          | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                                       |
| Linker File         | \$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd                              |
| Makefile Template   | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_Ps.tpl                  |
| Target Install Path | \$(ProgramFiles)\pls\UDE 4.4                                                             |
| Time Unit           | cycles                                                                                   |
| Timer Enabled       | false                                                                                    |
| Timer Prescale      | 0                                                                                        |
| Timer Resolution    | 1                                                                                        |
| UDE Config File     | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                             |
| Workspace File      | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |





#### **Test Case 1: Range Test**

#### Specification

Performance Metrics : [With "None" Instrumentation and WithPS Environment]

CPU Cycles:

13.00 Cycles
13.00 Cycles TS1.2 TS1.3 TS1.4 TS1.5 TS1.6 TS1.7 TS1.10 TS1.11 TS1.11 TS1.12 TS1.13 TS1.14 TS1.15 TS1.16 TS1.17 TS1.19 TS1.20 TS1.21 TS1.22 13.00 Cycles TS1.23

#### Description

#### VECTOR DESCRIPTION:

TS1.1 All Min

TS1.2 All Max

Rtto Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32==>Min Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32==>Max TS1.3 TS1.5 Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32==>Pos
TS1.6 Rte\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32==>Min
TS1.7 Rte\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32==>Max TS1.7 Rte\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32==>Max
TS1.8 Rte\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32==>Pos
TS1.9 Rte\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32==>Min
TS1.10 Rte\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32==>Max
TS1.11 Rte\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32==>Min
TS1.12 Rte\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32==>Min
TS1.13 Rte\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32==>Max
TS1.14 Rte\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32==>Pos
TS1.15 Rte\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32==>Max
TS1.16 Rte\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32==>Max IS1.16 Rte Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32==>Max 
TS1.17 Rte Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32==>Pos 
TS1.18 Rte Pim\_ShCurCal.EOLMtrCurr1OffsetDiff\_Volts\_f32==>Min 
TS1.19 Rte Pim\_ShCurCal.EOLMtrCurr1OffsetDiff\_Volts\_f32==>Max 
TS1.20 Rte Pim\_ShCurCal.EOLMtrCurr1OffsetDiff\_Volts\_f32==>Pos 
TS1.21 Rte Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Max 
TS1.22 Rte Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Max 
TS1.23 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 
TS1.23 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 
TS1.23 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 
TS1.23 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 
TS1.24 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 
TS1.25 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 
TS1.26 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 
TS1.27 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 
TS1.28 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 
TS1.29 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 
TS1.29 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 
TS1.29 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 
TS1.29 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 
TS1.29 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 
TS1.20 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 
TS1.20 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 
TS1.20 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 
TS1.20 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 
TS1.20 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 

TS1.20 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 

TS1.20 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 

TS1.20 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 

TS1.20 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 

TS1.20 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos 

TS1.20 Rte\_Pim\_ShCurCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>

| Test Step 1.1 (Repeat Count = 1)                  |                           |                | ✓        |
|---------------------------------------------------|---------------------------|----------------|----------|
| Name                                              | Input Value               |                |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 0                         |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1                         |                |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 20                        |                |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 20                        |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1                         |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1                         |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1                         |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                |          |
| Name                                              | Actual Value              | Expected Value | Result   |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 0                         | 0 ± 0.004      | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 1                         | 1 ± 0.0003     | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 20                        | 20 ± 0.002     | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 20                        | 20 ± 0.002     | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 1                         | 1 ± 0.0003     | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 1                         | 1 ± 0.0003     | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 1                         | 1 ± 0.0003     | ~        |

| Test Step 1.2 (Repeat Count = 1)                 |                           |
|--------------------------------------------------|---------------------------|
| Name                                             | Input Value               |
| Rte_Inst_Sa_CmMtrCurr                            | tgt_Rte_Inst_Sa_CmMtrCurr |
| ShCurrCalPtr                                     | tgt_ShCurrCalPtr          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 | 80000                     |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  | 3                         |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32  | 125                       |

2016-07-24, 12:46:30+0530



CmMtrCurr\_SCom\_ReadMtrCurrCals

| Name                                              | Input Value       |                |        |
|---------------------------------------------------|-------------------|----------------|--------|
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 125               |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                 |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                 |                |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                 |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal |                |        |
| Name                                              | Actual Value      | Expected Value | Result |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 80000             | 80000 ± 0.004  | ~      |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 3                 | 3 ± 0.0003     | •      |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 125               | 125 ± 0.002    | •      |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 125               | 125 ± 0.002    | ~      |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 3                 | 3 ± 0.0003     | ~      |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 3                 | 3 ± 0.0003     | ~      |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 3                 | 3 ± 0.0003     | ~      |

| Test Step 1.3 (Repeat Count = 1)                  |                           |                      | ✓        |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Name                                              | Input Value               |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 0                         |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.331587493               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 103.1557935               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 122.0438949               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                         |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.935399234               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.974394143               |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 0                         | 0 ± 0.004            | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 2.33158755                | 2.331587493 ± 0.0003 | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 103.155792                | 103.1557935 ± 0.002  | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 122.043892                | 122.0438949 ± 0.002  | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 3                         | 3 ± 0.0003           | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 2.93539929                | 2.935399234 ± 0.0003 | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 1.9743942                 | 1.974394143 ± 0.0003 | <b>✓</b> |

| Test Step 1.4 (Repeat Count = 1)                  |                           |                      |          |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Name                                              | Input Value               |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 80000                     |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.818840504               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 25.32785773               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 118.9035439               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                         |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                         |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                         |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 80000                     | 80000 ± 0.004        | ~        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 1.8188405                 | 1.818840504 ± 0.0003 | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 25.327858                 | 25.32785773 ± 0.002  | ~        |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 118.903542                | 118.9035439 ± 0.002  | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 3                         | 3 ± 0.0003           | ~        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 3                         | 3 ± 0.0003           | ~        |
| tot ShCurrCalPtr.EOLMtrCurr2OffsetDiff Volts f32  | 3                         | 3 ± 0.0003           | <b>✓</b> |

| Test Step 1.5 (Repeat Count = 1)                 |                           | <b>✓</b> |
|--------------------------------------------------|---------------------------|----------|
| Name                                             | Input Value               |          |
| Rte_Inst_Sa_CmMtrCurr                            | tgt_Rte_Inst_Sa_CmMtrCurr |          |
| ShCurrCalPtr                                     | tgt_ShCurrCalPtr          |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 | 4724.5                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  | 3                         |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32  | 74.90968764               |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32  | 125                       |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32  | 3                         |          |

CmMtrCurr\_SCom\_ReadMtrCurrCals

2016-07-24, 12:46:30+0530



| Name                                              | Input Value       |                      |          |
|---------------------------------------------------|-------------------|----------------------|----------|
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.935735285       |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.737128913       |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal |                      |          |
| Name                                              | Actual Value      | Expected Value       | Result   |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 4724.5            | 4724.5 ± 0.004       | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 3                 | 3 ± 0.0003           | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 74.9096909        | 74.90968764 ± 0.002  | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 125               | 125 ± 0.002          | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 3                 | 3 ± 0.0003           | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 1.93573523        | 1.935735285 ± 0.0003 | ✓        |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 2.73712897        | 2.737128913 ± 0.0003 | ~        |

| Test Step 1.6 (Repeat Count = 1)                  |                           |                      | ✓        |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Name                                              | Input Value               |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 23165.28666               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1                         |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 100.2451305               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 108.9961307               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.667596102               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.72209537                |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.579755306               |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 23165.2871                | 23165.28666 ± 0.004  | -        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 1                         | 1 ± 0.0003           | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 100.245132                | 100.2451305 ± 0.002  | -        |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 108.996132                | 108.9961307 ± 0.002  | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 1.6675961                 | 1.667596102 ± 0.0003 | •        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 1.72209537                | 1.72209537 ± 0.0003  | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 2.57975531                | 2.579755306 ± 0.0003 | ~        |

| Name                                              | Input Value               |                      |        |
|---------------------------------------------------|---------------------------|----------------------|--------|
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |        |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 24156.14282               |                      |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3                         |                      |        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 104.871004                |                      |        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 63.38826716               |                      |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.068199933               |                      |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                         |                      |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.40227896                |                      |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |        |
| Name                                              | Actual Value              | Expected Value       | Result |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 24156.1426                | 24156.14282 ± 0.004  | •      |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 3                         | 3 ± 0.0003           | •      |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 104.871002                | 104.871004 ± 0.002   | •      |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 63.3882675                | 63.38826716 ± 0.002  | •      |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 2.06819987                | 2.068199933 ± 0.0003 | •      |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 3                         | 3 ± 0.0003           | •      |
| tot ShCurrCalPtr.EOLMtrCurr2OffsetDiff Volts f32  | 1.40227902                | 1.40227896 ± 0.0003  |        |

| Test Step 1.8 (Repeat Count = 1)                  |                           | <b>✓</b> |
|---------------------------------------------------|---------------------------|----------|
| Name                                              | Input Value               |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 61979.98273               |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.5                       |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 54.4717772                |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 105.3591967               |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.659906507               |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.388925314               |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                         |          |

2016-07-24, 12:46:30+0530



| CmMtrCurr_ | SCom_ | ReadMtrCurrCals |
|------------|-------|-----------------|
|------------|-------|-----------------|

| Name                                             | Input Value       |                      |          |
|--------------------------------------------------|-------------------|----------------------|----------|
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal          | tgt_Pim_ShCurrCal |                      |          |
| Name                                             | Actual Value      | Expected Value       | Result   |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32  | 61979.9844        | 61979.98273 ± 0.004  | ~        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32   | 2.5               | 2.5 ± 0.0003         | ✓        |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32   | 54.4717789        | 54.4717772 ± 0.002   | ~        |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32   | 105.3592          | 105.3591967 ± 0.002  | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32   | 2.65990663        | 2.659906507 ± 0.0003 | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.38892531        | 1.388925314 ± 0.0003 | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                 | 3 ± 0.0003           | ~        |

| Test Step 1.9 (Repeat Count = 1)                  |                           |                      | ✓        |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Name                                              | Input Value               |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 1121.425341               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.769886792               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 20                        |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 124.8793916               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.066732585               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.709388077               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.093463361               |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 1121.42529                | 1121.425341 ± 0.004  | ~        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 1.76988685                | 1.769886792 ± 0.0003 | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 20                        | 20 ± 0.002           | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 124.879395                | 124.8793916 ± 0.002  | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 2.06673265                | 2.066732585 ± 0.0003 | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 2.70938802                | 2.709388077 ± 0.0003 | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 1.0934633                 | 1.093463361 ± 0.0003 | <b>✓</b> |

| Test Step 1.10 (Repeat Count = 1)                 |                           |                      | · ·      |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Name                                              | Input Value               |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 60858.64799               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.269689679               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 125                       |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 47.39485669               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.612916946               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.820814729               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                         |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 60858.6484                | 60858.64799 ± 0.004  | ~        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 1.26968968                | 1.269689679 ± 0.0003 | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 125                       | 125 ± 0.002          | ~        |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 47.3948555                | 47.39485669 ± 0.002  | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 1.61291695                | 1.612916946 ± 0.0003 |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 2.82081485                | 2.820814729 ± 0.0003 | ~        |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 3                         | 3 ± 0.0003           | <b>✓</b> |

CmMtrCurr\_SCom\_ReadMtrCurrCals



| Name                                              | Input Value               |                      |          |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Rte_Inst_Sa_CmMtrCurr                             | tgt Rte Inst Sa CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 65160.01611               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.092851818               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 53.5                      |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 38.49531186               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.73687607                |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.83058995                |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                         |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 65160.0156                | 65160.01611 ± 0.004  | <b>→</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 1.09285188                | 1.092851818 ± 0.0003 | •        |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 53.5                      | 53.5 ± 0.002         | •        |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 38.4953117                | 38.49531186 ± 0.002  | •        |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 2.73687601                | 2.73687607 ± 0.0003  | •        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 2.83059001                | 2.83058995 ± 0.0003  | <b>→</b> |
| tot ShCurrCalPtr.EOLMtrCurr2OffsetDiff Volts f32  | 3                         | 3 ± 0.0003           | •        |

| Test Step 1.12 (Repeat Count = 1)                 |                           |                      | ✓        |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Name                                              | Input Value               |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 56723.74104               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.968153                  |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 115.9437072               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 20                        |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.889962077               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                         |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.732440114               |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 56723.7422                | 56723.74104 ± 0.004  | ~        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 1.968153                  | 1.968153 ± 0.0003    | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 115.94371                 | 115.9437072 ± 0.002  | ~        |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 20                        | 20 ± 0.002           | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 2.88996196                | 2.889962077 ± 0.0003 | ~        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 3                         | 3 ± 0.0003           | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 1.73244011                | 1.732440114 ± 0.0003 | ~        |

| Test Step 1.13 (Repeat Count = 1)                 |                           |                     | ~        |
|---------------------------------------------------|---------------------------|---------------------|----------|
| Name                                              | Input Value               |                     |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                     |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 3628.265911               |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3                         |                     |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 112.832647                |                     |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 125                       |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.41831392                |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                         |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                         |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                     |          |
| Name                                              | Actual Value              | Expected Value      | Result   |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 3628.26587                | 3628.265911 ± 0.004 | ~        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 3                         | 3 ± 0.0003          | ~        |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 112.832649                | 112.832647 ± 0.002  | ~        |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 125                       | 125 ± 0.002         | ~        |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 1.41831386                | 1.41831392 ± 0.0003 | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 3                         | 3 ± 0.0003          | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 3                         | 3 ± 0.0003          | <b>✓</b> |

CmMtrCurr\_SCom\_ReadMtrCurrCals



| Test Step 1.14 (Repeat Count = 1)                 |                           |                      | <b>✓</b> |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Name                                              | Input Value               |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 33123.02985               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.891774058               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 64.16472912               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 47.5                      |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.182928801               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.2926687                 |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.400485039               |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 33123.0313                | 33123.02985 ± 0.004  | ~        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 1.89177406                | 1.891774058 ± 0.0003 | ~        |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 64.1647263                | 64.16472912 ± 0.002  | ~        |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 47.5                      | 47.5 ± 0.002         | ~        |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 1.1829288                 | 1.182928801 ± 0.0003 | ~        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 1.2926687                 | 1.2926687 ± 0.0003   | •        |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 2.40048504                | 2.400485039 ± 0.0003 | ~        |

| Test Step 1.15 (Repeat Count = 1)                 |                           |                      | ✓        |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Name                                              | Input Value               |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 69010.40985               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.705846727               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 33.04677856               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 93.41007292               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1                         |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.183338583               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                         |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 69010.4063                | 69010.40985 ± 0.004  | ~        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 1.70584679                | 1.705846727 ± 0.0003 | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 33.0467796                | 33.04677856 ± 0.002  | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 93.4100723                | 93.41007292 ± 0.002  | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 1                         | 1 ± 0.0003           | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 2.18333864                | 2.183338583 ± 0.0003 | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 3                         | 3 ± 0.0003           | <b>✓</b> |

| Test Step 1.16 (Repeat Count = 1)                 |                           |                      |        |
|---------------------------------------------------|---------------------------|----------------------|--------|
| Name                                              | Input Value               |                      |        |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |        |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 63239.19189               |                      |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.441424131               |                      |        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 121.1407425               |                      |        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 31.70100594               |                      |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                         |                      |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                         |                      |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.190965533               |                      |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |        |
| Name                                              | Actual Value              | Expected Value       | Result |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 63239.1914                | 63239.19189 ± 0.004  | •      |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 2.44142413                | 2.441424131 ± 0.0003 | •      |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 121.140739                | 121.1407425 ± 0.002  | •      |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 31.7010059                | 31.70100594 ± 0.002  | •      |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 3                         | 3 ± 0.0003           | •      |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 3                         | 3 ± 0.0003           | •      |
| tgt ShCurrCalPtr.EOLMtrCurr2OffsetDiff Volts f32  | 2.19096541                | 2.190965533 ± 0.0003 | •      |

CmMtrCurr\_SCom\_ReadMtrCurrCals



| Test Step 1.17 (Repeat Count = 1)                 | Innert Males              |                      |          |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Name                                              | Input Value               |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 29883.2671                |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.763805687               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 104.5135137               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 31.63228405               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.5                       |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.804396451               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.695967615               |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 29883.2676                | 29883.2671 ± 0.004   | •        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 1.76380563                | 1.763805687 ± 0.0003 | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 104.513512                | 104.5135137 ± 0.002  | •        |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 31.6322842                | 31.63228405 ± 0.002  | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 2.5                       | 2.5 ± 0.0003         | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 1.80439651                | 1.804396451 ± 0.0003 | •        |
| tgt ShCurrCalPtr.EOLMtrCurr2OffsetDiff Volts f32  | 1.69596767                | 1.695967615 ± 0.0003 | <b>✓</b> |

| Test Step 1.18 (Repeat Count = 1)                 |                           |                      | ✓        |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Name                                              | Input Value               |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 76957.215                 |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.021819711               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 93.80621099               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 50.80121827               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.274787426               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1                         |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.807975531               |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 76957.2188                | 76957.215 ± 0.004    | ~        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 2.02181983                | 2.021819711 ± 0.0003 | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 93.8062134                | 93.80621099 ± 0.002  | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 50.8012199                | 50.80121827 ± 0.002  | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 2.27478743                | 2.274787426 ± 0.0003 | ~        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 1                         | 1 ± 0.0003           | •        |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 2.80797553                | 2.807975531 ± 0.0003 | ~        |

| Test Step 1.19 (Repeat Count = 1)                 |                           |                      | <u> </u> |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Name                                              | Input Value               |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 69716.53822               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.134801567               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 62.57008684               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 62.28110993               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.561323225               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                         |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.653409302               |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 69716.5391                | 69716.53822 ± 0.004  | ~        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 1.13480163                | 1.134801567 ± 0.0003 | ~        |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 62.5700874                | 62.57008684 ± 0.002  | •        |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 62.2811089                | 62.28110993 ± 0.002  | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 1.56132317                | 1.561323225 ± 0.0003 | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 3                         | 3 ± 0.0003           | •        |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 2.65340924                | 2.653409302 ± 0.0003 | ~        |

CmMtrCurr\_SCom\_ReadMtrCurrCals



| Name                                              | Input Value               |                      |                                       |
|---------------------------------------------------|---------------------------|----------------------|---------------------------------------|
|                                                   | •                         |                      |                                       |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |                                       |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |                                       |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 4499.005288               |                      |                                       |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.447284222               |                      |                                       |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 21.72755599               |                      |                                       |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 79.25635195               |                      |                                       |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.486444831               |                      |                                       |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.5                       |                      |                                       |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.385235429               |                      |                                       |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |                                       |
| Name                                              | Actual Value              | Expected Value       | Result                                |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 4499.00537                | 4499.005288 ± 0.004  | •                                     |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 2.44728422                | 2.447284222 ± 0.0003 | •                                     |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 21.7275562                | 21.72755599 ± 0.002  | •                                     |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 79.2563553                | 79.25635195 ± 0.002  | •                                     |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 2.48644495                | 2.486444831 ± 0.0003 | · · · · · · · · · · · · · · · · · · · |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 2.5                       | 2.5 ± 0.0003         | •                                     |
| tgt ShCurrCalPtr.EOLMtrCurr2OffsetDiff Volts f32  | 2.38523555                | 2.385235429 ± 0.0003 | •                                     |

| Test Step 1.21 (Repeat Count = 1)                 |                           |                      | ✓        |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Name                                              | Input Value               |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 75965.48146               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.618051589               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 37.78285849               |                      |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 52.96087492               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                         |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.298481524               |                      |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1                         |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 75965.4844                | 75965.48146 ± 0.004  | ~        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 1.61805165                | 1.618051589 ± 0.0003 | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 37.7828598                | 37.78285849 ± 0.002  | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 52.9608765                | 52.96087492 ± 0.002  | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 3                         | 3 ± 0.0003           | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 2.29848146                | 2.298481524 ± 0.0003 | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 1                         | 1 ± 0.0003           | <b>✓</b> |

| Test Step 1.22 (Repeat Count = 1)                 |                           |                     | <b>✓</b> |
|---------------------------------------------------|---------------------------|---------------------|----------|
| Name                                              | Input Value               |                     |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                     |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 29121.85831               |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3                         |                     |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 37.40882111               |                     |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 51.33155894               |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                         |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                         |                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                         |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                     |          |
| Name                                              | Actual Value              | Expected Value      | Result   |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 29121.8574                | 29121.85831 ± 0.004 | ~        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 3                         | 3 ± 0.0003          | ~        |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 37.4088211                | 37.40882111 ± 0.002 | ~        |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 51.3315582                | 51.33155894 ± 0.002 | ~        |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 3                         | 3 ± 0.0003          | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 3                         | 3 ± 0.0003          | <b>✓</b> |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 3                         | 3 ± 0.0003          | <b>✓</b> |

CmMtrCurr\_SCom\_ReadMtrCurrCals

2016-07-24, 12:46:30+0530



Test Step 1.23 (Repeat Count = 1) Input Value Name Rte\_Inst\_Sa\_CmMtrCurr tgt\_Rte\_Inst\_Sa\_CmMtrCurr ShCurrCalPtr tgt\_ShCurrCalPtr  $tgt\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32$ 41989.99916 tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32 2.76588577  $tgt\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32$ 74.03032291  $tgt\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32$ 105.6417481  $tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32$ 2.14177686  $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32$ 1.656356752 tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32 tgt\_Pim\_ShCurrCal  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_ShCurrCal$ **Actual Value Expected Value** Result Name tgt ShCurrCalPtr.EOLMtrCurrVcalCmd VoltCnts f32 41990 41989.99916 ± 0.004 2.76588583 2.76588577 ± 0.0003  $tgt\_ShCurrCalPtr.EOLMtrCurr1OffsetLo\_Volts\_f32$ tgt ShCurrCalPtr.EOLPhscurr1Gain AmpspVolt f32 74.0303192 74.03032291 ± 0.002  $tgt\_ShCurrCalPtr.EOLPhscurr2Gain\_AmpspVolt\_f32$ 105.641747 105.6417481 ± 0.002 tgt\_ShCurrCalPtr.EOLMtrCurr2OffsetLo\_Volts\_f32 2.1417768 2.14177686 ± 0.0003  $tgt\_ShCurrCalPtr.EOLMtrCurr1OffsetDiff\_Volts\_f32$ 1.65635681 1.656356752 ± 0.0003 tgt\_ShCurrCalPtr.EOLMtrCurr2OffsetDiff\_Volts\_f32 1.5 1.5 ± 0.0003

CmMtrCurr\_SCom\_MtrCurrOffReadStatus

2016-07-24, 12:45:31+0530



Project CmMtrCurr1

 Module
 CmMtrCurr\_MTRCURRPHASEAC\_ON

 Test Object
 CmMtrCurr\_SCom\_MtrCurrOffReadStatus

### Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|-------------------------|-------|
| Branch (C1) Coverage    | 100 % |

#### **Statistics**

| Total Testcases | 1 |   |
|-----------------|---|---|
| Successful      | 1 | ~ |
| Failed          | 0 |   |
| Not Executed    | 0 |   |

#### **Module Properties**

| Project Root Directory | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP                                                                                                                                                                                                                                              |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Configuration File     | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config \TMS570_GCC_UDE_CCS4_Config.xml                                                                                                                                                                                           |
| Target Environment     | TI TMS 570 PLS UDE (Default)                                                                                                                                                                                                                                                                  |
| Kind of Test           | Unit Test                                                                                                                                                                                                                                                                                     |
| Linker Options         |                                                                                                                                                                                                                                                                                               |
| Source File(s)         |                                                                                                                                                                                                                                                                                               |
| File                   | \$(PROJECTROOT)\CmMtrCurr\src\Sa_CmMtrCurr.c                                                                                                                                                                                                                                                  |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include |
| File                   | \$(PROJECTROOT)\NxtrLib\src\interpolation.c                                                                                                                                                                                                                                                   |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -l\$(PROJECTROOT)\CmMtrCurr\utp\contract -l\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -l\$(PROJECTROOT)\CmMtrCurr\include -l\$(PROJECTROOT)\NxtrLib\include -l\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include |

| Name                                 | Text                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Module<br>CmMtrCurr_MTRCURRPHASEAC_( | Name of Tester:Chandrakanth Sheegi Code File(s) Under Test:Sa_CmMtrCurr.c Code File(s) Version:2 Module Design Document:CmMtrCurr_MDD.docx Module Design Document Version:2 Data Dictionary Version:2 Unit Test Plan Version:2 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.32 Total FLASH Used (Bytes):3176 Total RAM Used (Bytes):318 Total RAM Used (Bytes):46 Special Test Requirements:NA Test Date:7/23/2016 Comments: "Note1: Inline functions defined in globalmacro.h are not unit tested.  Note2:- ""CBD_Sandbox_dbg.map"" map file is embedded for reference.  Note3:-In function ""CmMtrCurr_Per3"" some variables are going out of range for some vectors,accepted by devloper variables are :-MtrCurr2SumHi_Voit_M_f32, VecuSum_Voit_M_f32, MtrCurr1SumLo_Voit_M_f32, MtrCurr2SumLo_Voit_M_f32, MtrCurr2SumLo_Voit_M_f32, MtrCurr1SumLo_Voit_M_f32, are going to very large values." |

| Attributes            |                                                                      |
|-----------------------|----------------------------------------------------------------------|
| Name                  | Value                                                                |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5 |
| Float Precision       | 9                                                                    |

2016-07-24, 12:45:31+0530





| Attributes          |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| Name                | Value                                                                                    |
| InitObjDir          | <pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>                            |
| InitSrcDir          | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                                       |
| Linker File         | \$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd                              |
| Makefile Template   | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_Ps.tpl                  |
| Target Install Path | \$(ProgramFiles)\pls\UDE 4.4                                                             |
| Time Unit           | cycles                                                                                   |
| Timer Enabled       | false                                                                                    |
| Timer Prescale      | 0                                                                                        |
| Timer Resolution    | 1                                                                                        |
| UDE Config File     | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                             |
| Workspace File      | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |



#### Test Case 1: Range Test

Specification

Performance Metrics : [With "None" Instrumentation and WithPS Environment]

TS1.1 8.00 Cycles TS1.2 8.00 Cycles TS1.3 8.00 Cycles TS1.4 8.00 Cycles

#### VECTOR DESCRIPTION: Description

TS1.1 CurroffProcessFlag\_M\_enum=CURROFF\_INIT
TS1.2 CurroffProcessFlag\_M\_enum=CURROFF\_PROCESSING
TS1.3 CurroffProcessFlag\_M\_enum=CURROFF\_PASS
TS1.4 CurroffProcessFlag\_M\_enum=CURROFF\_FAIL

| Test Step 1.1 (Repeat Count = 1)    |                   |                | ✓        |
|-------------------------------------|-------------------|----------------|----------|
| Name                                | Input Value       |                |          |
| CmMtrCurr_CurroffProcessFlag_M_enum | 0                 |                |          |
| CurrOffStatus                       | tgt_CurrOffStatus |                |          |
| Name                                | Actual Value      | Expected Value | Result   |
| tgt_CurrOffStatus                   | 0                 | 0              | <b>~</b> |

| Test Step 1.2 (Repeat Count = 1)    |                   |                | V      |
|-------------------------------------|-------------------|----------------|--------|
| Name                                | Input Value       |                |        |
| CmMtrCurr_CurroffProcessFlag_M_enum | 1                 |                |        |
| CurrOffStatus                       | tgt_CurrOffStatus |                |        |
| Name                                | Actual Value      | Expected Value | Result |
| tgt CurrOffStatus                   | 1                 | 1              | ~      |

| Test Step 1.3 (Repeat Count = 1)    |                   |                | ✓        |
|-------------------------------------|-------------------|----------------|----------|
| Name                                | Input Value       |                |          |
| CmMtrCurr_CurroffProcessFlag_M_enum | 2                 |                |          |
| CurrOffStatus                       | tgt_CurrOffStatus |                |          |
| Name                                | Actual Value      | Expected Value | Result   |
| tgt_CurrOffStatus                   | 2                 | 2              | <b>✓</b> |

| Test Step 1.4 (Repeat Count = 1)    |                   | ✓              |        |
|-------------------------------------|-------------------|----------------|--------|
| Name                                | Input Value       |                |        |
| CmMtrCurr_CurroffProcessFlag_M_enum | 3                 |                |        |
| CurrOffStatus                       | tgt_CurrOffStatus |                |        |
| Name                                | Actual Value      | Expected Value | Result |
| tgt_CurrOffStatus                   | 3                 | 3              | ~      |

2016-07-24, 12:44:59+0530



CmMtrCurr\_SCom\_CalOffset

Project CmMtrCurr1

Module CmMtrCurr\_MTRCURRPHASEAC\_ON

Test Object CmMtrCurr\_SCom\_CalOffset

### Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|-------------------------|-------|
| Decision Coverage       | 100 % |
| Branch (C1) Coverage    | 100 % |
| MCC Coverage            | 100 % |
| MC/DC Coverage          | 100 % |

#### **Statistics**

| Total Testcases | 3 |          |
|-----------------|---|----------|
| Successful      | 3 | <b>~</b> |
| Failed          | 0 |          |
| Not Executed    | 0 |          |

#### **Module Properties**

| Project Root Directory | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP                                                                                                                                                                                                                                                                               |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Configuration File     | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config<br>\TMS570_GCC_UDE_CCS4_Config.xml                                                                                                                                                                                                                         |
| Target Environment     | TI TMS 570 PLS UDE (Default)                                                                                                                                                                                                                                                                                                   |
| Kind of Test           | Unit Test                                                                                                                                                                                                                                                                                                                      |
| Linker Options         |                                                                                                                                                                                                                                                                                                                                |
| Source File(s)         |                                                                                                                                                                                                                                                                                                                                |
| File                   | \$(PROJECTROOT)\CmMtrCurr\src\Sa_CmMtrCurr.c                                                                                                                                                                                                                                                                                   |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include                                  |
| File                   | \$(PROJECTROOT)\NxtrLib\src\interpolation.c                                                                                                                                                                                                                                                                                    |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include |

| Comments/Description/Specification |      |
|------------------------------------|------|
| Name                               | Text |



Module 'CmMtrCurr MTRCURRPHASEAC ON 

Name of Tester:Chandrakanth Sheegi Code File(s) Under Test:Sa\_CmMtrCurr.c Code File(s) Version:2

Code File(s) Version:2
Module Design Document: CmMtrCurr\_MDD.docx
Module Design Document Version:2
Data Dictionary Version:2
Unit Test Plan Version:2
Optimization Level: Level 2
Compiler (CodeGen) Version:TMS470\_4.9.5
Model Type: Excel Macro
Model Version: Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.32
Total FLASH Used (Bytes):3176
Total RAM Used (Bytes):130
Total CALS Used (Bytes):46
Special Test Requirements:NA
Test Date: 7/23/2016

Test Date:7/23/2016
Comments:
"Note1: Inline functions defined in globalmacro.h are not unit tested.

Note2:- ""CBD\_Sandbox\_dbg.map"" map file is embedded for reference.

Note3:-In function ""CmMtrCurr\_Per3"" some variables are going out of range for some vectors,accepted by devloper variables are :-MtrCurr2SumHi\_Volt\_M\_f32 , VecuSum\_Volt\_M\_f32 , MtrCurr1SumLo\_Volt\_M\_f32, MtrCurr2SumLo\_Volt\_M\_f32, MtrCurr1SumZero\_Volt\_M\_f32,MtrCurr2SumZero\_Volt\_M\_f32, CmMtrCurr\_CurrOffAvgCounter\_Cnt\_M\_u16 .

Note4:-In function CurrDQPer1(), variables 'MtrCurrK1\_Amps\_f32' and 'MtrCurrK2\_Amps\_f32' are going to very large values."

| Attributes            |                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------|
| Name                  | Value                                                                                    |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5                     |
| Float Precision       | 9                                                                                        |
| InitObjDir            | \$(PROJECTROOT)\UnitTestEnv\static_build_files\obj                                       |
| InitSrcDir            | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                                       |
| Linker File           | \$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd                              |
| Makefile Template     | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_Ps.tpl                  |
| Target Install Path   | \$(ProgramFiles)\pls\UDE 4.4                                                             |
| Time Unit             | cycles                                                                                   |
| Timer Enabled         | false                                                                                    |
| Timer Prescale        | 0                                                                                        |
| Timer Resolution      | 1                                                                                        |
| UDE Config File       | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                             |
| Workspace File        | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |



#### **Test Case 1: Metrics Test**

Specification

Performance Metrics : [With "None" Instrumentation and WithPS Environment]

TC1.1 1036.00 Cycles TC1.2 1052.00 Cycles

#### Description VECTOR DESCRIPTION:

 $TS1.1 \quad Shortest \ Execution \ Path==> (Abs\_f32\_m(MtrVel\_MtrRadpS\_T\_f32) < k\_MaxCurrOffMtrVel\_RadpS\_f32) = False \\ TS1.2 \quad "Longest \ Execution \ Path==> (Abs\_f32\_m(MtrVel\_MtrRadpS\_T\_f32) < k\_MaxCurrOffMtrVel\_RadpS\_f32) = True; \\ (VehSpd\_Kph\_T\_f32 < FLT\_EPSILON) = True \&\& (VhSpdValid\_T\_Cnt\_lgc == TRUE) = False"$ 

| Test Step 1.1 (Repeat Count = 1)                    |                           |                           | <b>✓</b> |
|-----------------------------------------------------|---------------------------|---------------------------|----------|
| Name                                                | Input Value               |                           |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                         |                           |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCurr | _MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCurr | _VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCurr | _VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 10                        |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | -285                      |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 186                       |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 1                         |                           |          |
| Name                                                | Actual Value              | Expected Value            | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                         | 0                         | <b>✓</b> |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                         | 0                         | ✓        |
| CmMtrCurr_SCom_CalOffset()                          | 34                        | 34                        | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 0                         | 0                         | <b>✓</b> |

| Test Step 1.2 (Repeat Count = 1)                    |                          |                             | <b>✓</b> |
|-----------------------------------------------------|--------------------------|-----------------------------|----------|
| Name                                                | Input Value              |                             |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                        |                             |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCui | rr_MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCui | rr_VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCui | rr_VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 13                       |                             |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | 0                        |                             |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 0                        |                             |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 0                        |                             |          |
| Name                                                | Actual Value             | Expected Value              | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                        | 0                           | ~        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                        | 1                           | ✓        |
| CmMtrCurr_SCom_CalOffset()                          | 21                       | 21                          | ~        |
| Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc(data) | 1                        | 1                           | ✓        |





#### Test Case 2: Range Test

Specification

Performance Metrics : [With "None" Instrumentation and WithPS Environment]

CPU Cycles:

CPU Cycles:

TC2.1 1036.00 Cycles
TC2.2 1036.00 Cycles
TC2.3 1036.00 Cycles
TC2.3 1036.00 Cycles
TC2.4 1036.00 Cycles
TC2.5 1036.00 Cycles
TC2.6 1036.00 Cycles
TC2.7 1036.00 Cycles
TC2.9 1034.00 Cycles
TC2.9 1034.00 Cycles
TC2.10 1036.00 Cycles
TC2.11 1046.00 Cycles
TC2.12 1034.00 Cycles
TC2.12 1034.00 Cycles
TC2.13 1036.00 Cycles
TC2.14 1036.00 Cycles
TC2.15 1036.00 Cycles
TC2.16 1036.00 Cycles
TC2.17 1052.00 Cycles
TC2.18 1044.00 Cycles
TC2.19 1044.00 Cycles
TC2.19 1044.00 Cycles
TC2.20 1044.00 Cycles

#### Description

#### VECTOR DESCRIPTION:

TS2.1All Min TS2.2All Max

TS2.2All Max
TS2.3CurrentGainSvc\_Cnt\_M\_lgc==>True
TS2.4CurrentGainSvc\_Cnt\_M\_lgc==>False
TS2.5MtrVel\_MtrRadpS\_f32==>Min
TS2.6MtrVel\_MtrRadpS\_f32==>Pos
TS2.5MtrVel\_MtrRadpS\_f32==>Zero
TS2.5MtrVel\_MtrRadpS\_f32==>Zero
TS2.5MtrVel\_MtrRadpS\_f32==>Neg
TS2.10VhSpdValid\_Cnt\_lgc==>True
TS2.11VhSpdValid\_Cnt\_lgc==>False
TS2.12k\_MaxCurrOffMtrVel\_RadpS\_f32==>Min
TS2.13k\_MaxCurrOffMtrVel\_RadpS\_f32==>Max
TS2.14k\_MaxCurrOffMtrVel\_RadpS\_f32==>Zero
TS2.16k\_MaxCurrOffMtrVel\_RadpS\_f32==>Zero
TS2.16k\_MaxCurrOffMtrVel\_RadpS\_f32==>Neg
TS2.17k\_MaxCurrOffMtrVel\_RadpS\_f32==>Neg
TS2.17k\_MaxCurrOffMtrVel\_RadpS\_f32==>Default
TS2.18VehSpd\_Kph\_f32==>Min

TS2.18VehSpd\_Kph\_f32==>Min TS2.19VehSpd\_Kph\_f32==>Max TS2.20VehSpd\_Kph\_f32==>Pos

| Test Step 2.1 (Repeat Count = 1)                    |                         |                             | ✓      |
|-----------------------------------------------------|-------------------------|-----------------------------|--------|
| Name                                                | Input Value             |                             |        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                       |                             |        |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCu | rr_MtrVel_MtrRadpS_f32_data |        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCu | rr_VehSpd_Kph_f32_data      |        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCu | rr_VhSpdValid_Cnt_lgc_data  |        |
| k_MaxCurrOffMtrVel_RadpS_f32                        | -20                     |                             |        |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | -1118                   |                             |        |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 0                       |                             |        |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 0                       |                             |        |
| Name                                                | Actual Value            | Expected Value              | Result |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                       | 0                           | ~      |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                       | 0                           | ✓      |
| CmMtrCurr_SCom_CalOffset()                          | 34                      | 34                          | ✓      |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 0                       | 0                           | ✓      |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | •        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | •        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | <b>✓</b> |



| Test Step 2.2 (Repeat Count = 1)                    |                          |                            |          |
|-----------------------------------------------------|--------------------------|----------------------------|----------|
| Name                                                | Input Value              |                            |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                        |                            |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCui | r_MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCui | r_VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCui | r_VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 20                       |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | 1118                     |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 255                      |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 1                        |                            |          |
| Name                                                | Actual Value             | Expected Value             | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                        | 0                          | <b>✓</b> |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                        | 1                          | ✓        |
| CmMtrCurr_SCom_CalOffset()                          | 34                       | 34                         | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 1                        | 1                          | ✓        |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | •        |

| Test Step 2.3 (Repeat Count = 1)                    |                          |                            | <b>✓</b> |
|-----------------------------------------------------|--------------------------|----------------------------|----------|
| Name                                                | Input Value              |                            |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                        |                            |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCur | r_MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCur | r_VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCur | r_VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | -6.32499981              |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | 652.325378               |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 65.2139969               |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 0                        |                            |          |
| Name                                                | Actual Value             | Expected Value             | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                        | 0                          | ~        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                        | 1                          | ~        |
| CmMtrCurr_SCom_CalOffset()                          | 34                       | 34                         | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 1                        | 1                          | ~        |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | <b>✓</b> |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | <b>✓</b> |
| Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc | 1     | Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc | 1     | <b>✓</b> |

| Test Step 2.4 (Repeat Count = 1)                    |                           |                           | V        |
|-----------------------------------------------------|---------------------------|---------------------------|----------|
| Name                                                | Input Value               |                           |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                         |                           |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCurr | _MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCurr | _VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCurr | _VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 8.2510004                 |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | -65.25                    |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 125.32                    |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 1                         |                           |          |
| Name                                                | Actual Value              | Expected Value            | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                         | 0                         | ~        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                         | 0                         | <b>✓</b> |
| CmMtrCurr_SCom_CalOffset()                          | 34                        | 34                        | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 0                         | 0                         | ~        |



| Test Step Call Trace |                                               |       |                                               |       |        |
|----------------------|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
|                      | Actual Function                               | Count | Expected Function                             | Count | Result |
|                      | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~      |
|                      | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | ~      |
|                      | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | ~      |
|                      | Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Inc | 1     | Pte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc | 1     | -      |

| Test Step 2.5 (Repeat Count = 1)                    |                          |                            | <b>✓</b> |
|-----------------------------------------------------|--------------------------|----------------------------|----------|
| Name                                                | Input Value              |                            |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                        |                            |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCur | r_MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCur | r_VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCur | r_VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | -11.6234684              |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | -1118                    |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 65.3249969               |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 0                        |                            |          |
| Name                                                | Actual Value             | Expected Value             | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                        | 0                          | ~        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                        | 0                          | <b>✓</b> |
| CmMtrCurr_SCom_CalOffset()                          | 34                       | 34                         | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 0                        | 0                          | ~        |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | <b>✓</b> |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | <b>✓</b> |

| Test Step 2.6 (Repeat Count = 1)                    |                          |                             |          |
|-----------------------------------------------------|--------------------------|-----------------------------|----------|
| Name                                                | Input Value              |                             |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                        |                             |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCui | rr_MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCui | rr_VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCui | rr_VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 3.73730636               |                             |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | 1118                     |                             |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 98.6579971               |                             |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 0                        |                             |          |
| Name                                                | Actual Value             | Expected Value              | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                        | 0                           | <b>✓</b> |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                        | 1                           | ✓        |
| CmMtrCurr_SCom_CalOffset()                          | 34                       | 34                          | ✓        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 1                        | 1                           | ✓        |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | ~        |
| Rte Write Sa CmMtrCurr CurrentGainSvc Cnt lgc | 1     | Rte Write Sa CmMtrCurr CurrentGainSvc Cnt lgc | 1     | <b>~</b> |



| Test Step 2.7 (Repeat Count = 1)                    |                           |                            | ✓        |
|-----------------------------------------------------|---------------------------|----------------------------|----------|
| Name                                                | Input Value               |                            |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                         |                            |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCuri | r_MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCur  | r_VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCuri | r_VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 5.8294816                 |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | 325.5                     |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 125.985001                |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 1                         |                            |          |
| Name                                                | Actual Value              | Expected Value             | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                         | 0                          | ~        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                         | 0                          | ✓        |
| CmMtrCurr_SCom_CalOffset()                          | 34                        | 34                         | ~        |
| Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc(data) | 0                         | 0                          | <b>✓</b> |

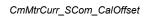
| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | <b>~</b> |

| Test Step 2.8 (Repeat Count = 1)                    |                           |                           | <b>✓</b> |
|-----------------------------------------------------|---------------------------|---------------------------|----------|
| Name                                                | Input Value               |                           |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                         |                           |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCurr | _MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCurr | _VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCurr | _VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 13                        |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | 0                         |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 156.539993                |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 0                         |                           |          |
| Name                                                | Actual Value              | Expected Value            | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                         | 0                         | ~        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                         | 1                         | <b>✓</b> |
| CmMtrCurr_SCom_CalOffset()                          | 21                        | 21                        | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 1                         | 1                         | ✓        |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | •      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | •      |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | •      |

| Test Step 2.9 (Repeat Count = 1)                    |                           |                           | <b>✓</b> |
|-----------------------------------------------------|---------------------------|---------------------------|----------|
| Name                                                | Input Value               |                           |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                         |                           |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCurr | _MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCurr | _VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCurr | _VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 10                        |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | -285.649994               |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 186.875                   |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 1                         |                           |          |
| Name                                                | Actual Value              | Expected Value            | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                         | 0                         | ~        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                         | 0                         | <b>✓</b> |
| CmMtrCurr_SCom_CalOffset()                          | 34                        | 34                        | ✓        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 0                         | 0                         | ✓        |





| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | •      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | ~      |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | ~      |

| Test Step 2.10 (Repeat Count = 1)                   |                          |                            |          |
|-----------------------------------------------------|--------------------------|----------------------------|----------|
| Name                                                | Input Value              |                            |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                        |                            |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCur | r_MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCur | r_VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCur | r_VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 2.42746878               |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | 2.98000002               |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 0                        |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 1                        |                            |          |
| Name                                                | Actual Value             | Expected Value             | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                        | 0                          | ~        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                        | 1                          | <b>✓</b> |
| CmMtrCurr_SCom_CalOffset()                          | 34                       | 34                         | <b>✓</b> |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 1                        | 1                          | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | <b>✓</b> |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | -        |
| Rte Write Sa CmMtrCurr CurrentGainSvc Cnt loc | 1     | Rte Write Sa CmMtrCurr CurrentGainSvc Cnt lgc | 1     | <b>✓</b> |

| Test Step 2.11 (Repeat Count = 1)                   |                         |                             |          |
|-----------------------------------------------------|-------------------------|-----------------------------|----------|
| Name                                                | Input Value             |                             |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                       |                             |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCu | rr_MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCu | rr_VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCu | rr_VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 7.63191891              |                             |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | 7                       |                             |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 246.25                  |                             |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 0                       |                             |          |
| Name                                                | Actual Value            | Expected Value              | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                       | 0                           | ✓        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                       | 0                           | ✓        |
| CmMtrCurr_SCom_CalOffset()                          | 21                      | 21                          | ✓        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 0                       | 0                           | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | •        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | •        |
| Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc | 1     | Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc | 1     | <b>✓</b> |



| Test Step 2.12 (Repeat Count = 1)                   |                           |                           | V        |
|-----------------------------------------------------|---------------------------|---------------------------|----------|
| Name                                                | Input Value               |                           |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                         |                           |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCuri | _MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCurr | _VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCurr | _VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | -20                       |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | -987.650024               |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 65.5400009                |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 0                         |                           |          |
| Name                                                | Actual Value              | Expected Value            | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                         | 0                         | <b>✓</b> |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                         | 1                         | <b>✓</b> |
| CmMtrCurr_SCom_CalOffset()                          | 34                        | 34                        | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 1                         | 1                         | ✓.       |

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | ~      |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | •      |

| Test Step 2.13 (Repeat Count = 1)                   |                          |                            | <b>✓</b> |
|-----------------------------------------------------|--------------------------|----------------------------|----------|
| Name                                                | Input Value              |                            |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                        |                            |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCur | r_MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCur | r_VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCur | r_VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 20                       |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | -35.9799995              |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 24.9799995               |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 1                        |                            |          |
| Name                                                | Actual Value             | Expected Value             | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                        | 0                          | ~        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                        | 0                          | <b>✓</b> |
| CmMtrCurr_SCom_CalOffset()                          | 34                       | 34                         | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 0                        | 0                          | ~        |

| Test Step Call Trace                          |       |                                               |       |          |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|--|
| Actual Function                               | Count | Expected Function                             | Count | Result   |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~        |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | ~        |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | ~        |  |
| Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc | 1     | Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc | 1     | <b>✓</b> |  |

| Test Step 2.14 (Repeat Count = 1)                   |                            |                           | ✓        |
|-----------------------------------------------------|----------------------------|---------------------------|----------|
| Name                                                | Input Value                |                           |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                          |                           |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCurr_ | _MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCurr_ | _VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCurr_ | _VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 15.5                       |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | -785.450012                |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 14.3999996                 |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 0                          |                           |          |
| Name                                                | Actual Value               | Expected Value            | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                          | 0                         | ~        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                          | 1                         | <b>✓</b> |
| CmMtrCurr_SCom_CalOffset()                          | 34                         | 34                        | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 1                          | 1                         | ~        |



| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | <b>✓</b> |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | ~        |

| Test Step 2.15 (Repeat Count = 1)                   |                              |                        | <b>✓</b> |
|-----------------------------------------------------|------------------------------|------------------------|----------|
| Name                                                | Input Value                  |                        |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                            |                        |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCurr_Mt | rVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCurr_Ve | hSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCurr_Vh | SpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 0                            |                        |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | 25.6580009                   |                        |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 254.600006                   |                        |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 1                            |                        |          |
| Name                                                | Actual Value                 | Expected Value         | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                            | 0                      | ~        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                            | 0                      | <b>✓</b> |
| CmMtrCurr_SCom_CalOffset()                          | 34                           | 34                     | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 0                            | 0                      | ~        |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | <b>✓</b> |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | <b>✓</b> |

| Test Step 2.16 (Repeat Count = 1)                   |                          |                            |          |
|-----------------------------------------------------|--------------------------|----------------------------|----------|
| Name                                                | Input Value              |                            |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                        |                            |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCur | r_MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCur | r_VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCur | r_VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | -13.5                    |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | -98.1589966              |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 9.80000019               |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 0                        |                            |          |
| Name                                                | Actual Value             | Expected Value             | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                        | 0                          | <b>✓</b> |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                        | 1                          | ✓        |
| CmMtrCurr_SCom_CalOffset()                          | 34                       | 34                         | <b>✓</b> |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 1                        | 1                          | ✓        |

| Test Step Call Trace                          |       |                                               |       |          |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|--|
| Actual Function                               | Count | Expected Function                             | Count | Result   |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~        |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | •        |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | •        |  |
| Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc | 1     | Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc | 1     | <b>✓</b> |  |



| Test Step 2.17 (Repeat Count = 1)                   |                            |                           |          |
|-----------------------------------------------------|----------------------------|---------------------------|----------|
| Name                                                | Input Value                |                           |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                          |                           |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCurr_ | _MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCurr_ | _VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCurr_ | _VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 10                         |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | 2.98000002                 |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 0                          |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 1                          |                           |          |
| Name                                                | Actual Value               | Expected Value            | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 1                          | 1                         | •        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                          | 1                         | •        |
| CmMtrCurr_SCom_CalOffset()                          | 0                          | 0                         | •        |
| Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc(data) | 1                          | 1                         | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | <b>~</b> |

| Test Step 2.18 (Repeat Count = 1)                   |                          |                            | ✓        |
|-----------------------------------------------------|--------------------------|----------------------------|----------|
| Name                                                | Input Value              |                            |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                        |                            |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCur | r_MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCur | r_VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCur | r_VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 12                       |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | 11.1099997               |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 0                        |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 1                        |                            |          |
| Name                                                | Actual Value             | Expected Value             | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 1                        | 1                          | •        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                        | 1                          | <b>✓</b> |
| CmMtrCurr_SCom_CalOffset()                          | 0                        | 0                          | <b>~</b> |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 1                        | 1                          | ~        |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | •        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | •        |
| Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc | 1     | Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc | 1     | <b>✓</b> |

| Test Step 2.19 (Repeat Count = 1)                   |                            |                           | <b>✓</b> |
|-----------------------------------------------------|----------------------------|---------------------------|----------|
| Name                                                | Input Value                |                           |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                          |                           |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCurr_ | _MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCurr_ | _VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCurr_ | _VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 6.55960798                 |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | 6.32499981                 |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 255                        |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 0                          |                           |          |
| Name                                                | Actual Value               | Expected Value            | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                          | 0                         | ~        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                          | 1                         | <b>✓</b> |
| CmMtrCurr_SCom_CalOffset()                          | 21                         | 21                        | <b>✓</b> |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 1                          | 1                         | <b>✓</b> |



| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | ~      |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | ~      |

| Test Step 2.20 (Repeat Count = 1)                   |                           |                            | <b>✓</b> |
|-----------------------------------------------------|---------------------------|----------------------------|----------|
| Name                                                | Input Value               |                            |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                         |                            |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCurr | r_MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCuri | r_VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCurr | r_VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 16.8791161                |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | 16.3250008                |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 65.5                      |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 1                         |                            |          |
| Name                                                | Actual Value              | Expected Value             | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                         | 0                          | ~        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                         | 0                          | <b>✓</b> |
| CmMtrCurr_SCom_CalOffset()                          | 21                        | 21                         | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 0                         | 0                          | ~        |

| <b>Test Case 3</b> | 3: Path Test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>✓</b> |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Specification      | Performance Metrics :<br>[With "None" Instrumentation and WithPS Environment]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |
|                    | CPU Cycles:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
|                    | TS3.1 2134.00 Cycles TS3.2 1986.00 Cycles TS3.3 1970.00 Cycles TS3.4 1963.00 Cycles TS3.5 2000.00 Cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| Description        | VECTOR DESCRIPTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |
|                    | TS3.1 "( (Abs_f32_m(MtrVel_MtrRadpS_T_f32) < k_MaxCurrOffMtrVel_RadpS_f32) && (ProductionMode != Mec_Cnt_T_enum) )=False"  TS3.2 "( (Abs_f32_m(MtrVel_MtrRadpS_T_f32) < k_MaxCurrOffMtrVel_RadpS_f32) && (ProductionMode != Mec_Cnt_T_enum) )=True ((VehSpd_Kph_T_f32 < FLT_EPSILON) && (VehSpd_Kph_T_f32 < FLT_EPSILON) && (VhSpdValid_T_Cnt_lgc == TRUE) )=False"  TS3.3 "( (VehSpd_Kph_T_f32 < FLT_EPSILON) && (VhSpdValid_T_Cnt_lgc == TRUE) )=True"  TS3.4 "( (Abs_f32_m(MtrVel_MtrRadpS_T_f32) < k_MaxCurrOffMtrVel_RadpS_f32) =True&& (ProductionMode != Mec_Cnt_T_enum) =False)"  TS3.5 "( (VehSpd_Kph_T_f32 < FLT_EPSILON) =True&& (VhSpdValid_T_Cnt_lgc == TRUE) =False)" |          |

| Test Step 3.1 (Repeat Count = 1)                    |                          |                            | <b>✓</b> |
|-----------------------------------------------------|--------------------------|----------------------------|----------|
| Name                                                | Input Value              |                            |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                        |                            |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCur | r_MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCur | r_VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCur | r_VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | -20                      |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | -1118                    |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 0                        |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 0                        |                            |          |
| Name                                                | Actual Value             | Expected Value             | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                        | 0                          | <b>✓</b> |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                        | 0                          | <b>✓</b> |
| CmMtrCurr_SCom_CalOffset()                          | 34                       | 34                         | <b>✓</b> |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 0                        | 0                          | ~        |



| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | <b>✓</b> |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | ~        |

| Test Step 3.2 (Repeat Count = 1)                    |                          |                             | <b>✓</b> |
|-----------------------------------------------------|--------------------------|-----------------------------|----------|
| Name                                                | Input Value              |                             |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                        |                             |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCui | rr_MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCui | rr_VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCui | rr_VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 16.7347775               |                             |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | 5                        |                             |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 31.509201                |                             |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 1                        |                             |          |
| Name                                                | Actual Value             | Expected Value              | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                        | 0                           | ~        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                        | 1                           | <b>✓</b> |
| CmMtrCurr_SCom_CalOffset()                          | 21                       | 21                          | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data) | 1                        | 1                           | ~        |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | <b>✓</b> |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | <b>✓</b> |

| Test Step 3.3 (Repeat Count = 1)                    |                          |                            |          |
|-----------------------------------------------------|--------------------------|----------------------------|----------|
| Name                                                | Input Value              |                            |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                        |                            |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCur | r_MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCur | r_VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCur | r_VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 2.42746878               |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | 2                        |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 0                        |                            |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 1                        |                            |          |
| Name                                                | Actual Value             | Expected Value             | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 1                        | 1                          | ~        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 1                        | 1                          | <b>✓</b> |
| CmMtrCurr_SCom_CalOffset()                          | 0                        | 0                          | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 1                        | 1                          | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | •        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | •        |
| Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc | 1     | Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc | 1     | <b>✓</b> |



| Test Step 3.4 (Repeat Count = 1)                    |                          |                             | ✓        |
|-----------------------------------------------------|--------------------------|-----------------------------|----------|
| Name                                                | Input Value              |                             |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                        |                             |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCui | rr_MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCui | rr_VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCui | rr_VhSpdValid_Cnt_lgc_data  |          |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 16.7347775               |                             |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | 5                        |                             |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 31.509201                |                             |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 1                        |                             |          |
| Name                                                | Actual Value             | Expected Value              | Result   |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                        | 0                           | ~        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                        | 0                           | ~        |
| CmMtrCurr_SCom_CalOffset()                          | 21                       | 21                          | ~        |
| Rte Write Sa CmMtrCurr CurrentGainSvc Cnt loc(data) | 0                        | 0                           | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | ~        |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | <b>~</b> |

| Test Step 3.5 (Repeat Count = 1)                    |                          |                            | ✓      |  |
|-----------------------------------------------------|--------------------------|----------------------------|--------|--|
| Name                                                | Input Value              |                            |        |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                        |                            |        |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)     | tgt_Rte_Read_Sa_CmMtrCur | r_MtrVel_MtrRadpS_f32_data |        |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)          | tgt_Rte_Read_Sa_CmMtrCur | r_VehSpd_Kph_f32_data      |        |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)      | tgt_Rte_Read_Sa_CmMtrCur | r_VhSpdValid_Cnt_lgc_data  |        |  |
| k_MaxCurrOffMtrVel_RadpS_f32                        | 2.42746878               | 2.42746878                 |        |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data  | 2                        |                            |        |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data       | 0                        |                            |        |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data   | 0                        |                            |        |  |
| Name                                                | Actual Value             | Expected Value             | Result |  |
| CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc                 | 0                        | 0                          | ✓      |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                  | 0                        |                            |        |  |
| CmMtrCurr_SCom_CalOffset()                          | 21                       | 21                         | ~      |  |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data) | 0                        | 0                          | ~      |  |

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | •      |
| Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc | 1     | •      |

2016-07-24, 12:33:33+0530



CmMtrCurr\_Init

Project CmMtrCurr1

Module CmMtrCurr\_MTRCURRPHASEAC\_ON

Test Object CmMtrCurr\_Init

### Instrumentation: Test Object Only

| Statement (C0) Coverage  | 100 % |
|--------------------------|-------|
| <b>Decision Coverage</b> | 100 % |
| Branch (C1) Coverage     | 100 % |
| MCC Coverage             | 100 % |
| MC/DC Coverage           | 100 % |

#### **Statistics**

| Total Testcases | 3 |   |
|-----------------|---|---|
| Successful      | 3 | ~ |
| Failed          | 0 |   |
| Not Executed    | 0 |   |

### **Module Properties**

| Project Root Directory | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP                                                                                                                                                                                                                                                                               |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Configuration File     | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config<br>\TMS570_GCC_UDE_CCS4_Config.xml                                                                                                                                                                                                                         |
| Target Environment     | TI TMS 570 PLS UDE (Default)                                                                                                                                                                                                                                                                                                   |
| Kind of Test           | Unit Test                                                                                                                                                                                                                                                                                                                      |
| Linker Options         |                                                                                                                                                                                                                                                                                                                                |
| Source File(s)         |                                                                                                                                                                                                                                                                                                                                |
| File                   | \$(PROJECTROOT)\CmMtrCurr\src\Sa_CmMtrCurr.c                                                                                                                                                                                                                                                                                   |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include                                  |
| File                   | \$(PROJECTROOT)\NxtrLib\src\interpolation.c                                                                                                                                                                                                                                                                                    |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include |

| Comments/Description/Spe | ecification |
|--------------------------|-------------|
| Name                     | Text        |



Module 'CmMtrCurr MTRCURRPHASEAC ON 

Name of Tester:Chandrakanth Sheegi Code File(s) Under Test:Sa\_CmMtrCurr.c Code File(s) Version:2

Code File(s) Version:2
Module Design Document: CmMtrCurr\_MDD.docx
Module Design Document Version:2
Data Dictionary Version:2
Unit Test Plan Version:2
Optimization Level: Level 2
Compiler (CodeGen) Version:TMS470\_4.9.5
Model Type: Excel Macro
Model Version: Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.32
Total FLASH Used (Bytes):3176
Total RAM Used (Bytes):130
Total CALS Used (Bytes):46
Special Test Requirements:NA
Test Date: 7/23/2016

Test Date:7/23/2016
Comments:
"Note1: Inline functions defined in globalmacro.h are not unit tested.

Note2:- ""CBD\_Sandbox\_dbg.map"" map file is embedded for reference.

Note3:-In function ""CmMtrCurr\_Per3"" some variables are going out of range for some vectors,accepted by devloper variables are :-MtrCurr2SumHi\_Volt\_M\_f32 , VecuSum\_Volt\_M\_f32 , MtrCurr1SumLo\_Volt\_M\_f32, MtrCurr2SumLo\_Volt\_M\_f32, MtrCurr1SumZero\_Volt\_M\_f32,MtrCurr2SumZero\_Volt\_M\_f32, CmMtrCurr\_CurrOffAvgCounter\_Cnt\_M\_u16 .

Note4:-In function CurrDQPer1(), variables 'MtrCurrK1\_Amps\_f32' and 'MtrCurrK2\_Amps\_f32' are going to very large values."

| Attributes            |                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------|
| Name                  | Value                                                                                    |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5                     |
| Float Precision       | 9                                                                                        |
| InitObjDir            | \$(PROJECTROOT)\UnitTestEnv\static_build_files\obj                                       |
| InitSrcDir            | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                                       |
| Linker File           | \$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd                              |
| Makefile Template     | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_Ps.tpl                  |
| Target Install Path   | \$(ProgramFiles)\pls\UDE 4.4                                                             |
| Time Unit             | cycles                                                                                   |
| Timer Enabled         | false                                                                                    |
| Timer Prescale        | 0                                                                                        |
| Timer Resolution      | 1                                                                                        |
| UDE Config File       | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                             |
| Workspace File        | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |



#### Test Case 1: Metrics Test

Specification

Performance Metrics : [With "None" Instrumentation and WithPS Environment]

TS1.1 526.00 Cycles TS1.2 602.00 Cycles

Description VECTOR DESCRIPTION:

| Test Step 1.1 (Repeat Count = 1)                  |                           |                           | ✓        |
|---------------------------------------------------|---------------------------|---------------------------|----------|
| Name                                              | Input Value               |                           |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.117600001               |                           |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                           |          |
| k_CurrCorrErrFiltFc_Hz_f32                        | 102.382797                |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 30761.5977                |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                         |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                         |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                           |          |
| Name                                              | Actual Value              | Expected Value            | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.723786235               | 0.723786235 ± 0.000009    | ~        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 9.75241928e-005           | 9.75242001e-005 ± 0.00001 | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32     | 9.75241928e-005           | 9.75242001e-005 ± 0.00001 | <b>✓</b> |

| Test Step 1.2 (Repeat Count = 1)                  |                           |                        | ✓        |
|---------------------------------------------------|---------------------------|------------------------|----------|
| Name                                              | Input Value               |                        |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.0588000007              |                        |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                        |          |
| k_CurrCorrErrFiltFc_Hz_f32                        | 51.1913986                |                        |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 9601.02148                |                        |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1                         |                        |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.40897918                |                        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                        |          |
| Name                                              | Actual Value              | Expected Value         | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.474439561               | 0.474439561 ± 0.000009 | ~        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 0                         | 0 ± 0.00001            | ~        |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32     | 0                         | 0 ± 0.00001            | <b>✓</b> |



# Test Case 2: Range Test Specification Performance Metrics : [With "None" Instrumentation and WithPS Environment] CPU Cycles: 124.00 Cycles 513.00 Cycles 568.00 Cycles 568.00 Cycles 547.00 Cycles 531.00 Cycles 510.00 Cycles 558.00 Cycles 526.00 Cycles 526.00 Cycles 124.00 Cycles 124.00 Cycles 574.00 Cycles 574.00 Cycles 574.00 Cycles 574.00 Cycles TS2.1 TS2.2 TS2.2 TS2.3 TS2.4 TS2.5 TS2.6 TS2.7 TS2.8 TS2.9 TS2.10 TS2.11 TS2.14 TS2.15 TS2.16 TS2.17 Description VECTOR DESCRIPTION: TS2.1 All Min TS2.3 Rte\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32==>Min TS2.4 Rte\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32==>Max TS2.5 Rte\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32==>Pos TS2.6 Rte\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Max TS2.7 Rte\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Max TS2.8 Rte\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos TS2.9 Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32==>Max TS2.10 Pta\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32==>Max TS2.10 Pta\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32==Pta\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32==Pta\_Pim\_ShCurrCal. TS2.10 Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32==>Max TS2.11 Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32==>Pos TS2.11 Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_Volt0 TS2.12 k\_CurrCorrErrFiltFc\_Hz\_f32==>Min TS2.13 k\_CurrCorrErrFiltFc\_Hz\_f32==>Max TS2.14 k\_CurrCorrErrFiltFc\_Hz\_f32==>Pos TS2.15 CmMtrCurr\_CurrCorrDiagKSV\_M\_str.K==>Min TS2.16 CmMtrCurr\_CurrCorrDiagKSV\_M\_str.K==>Max TS2.17 CmMtrCurr\_CurrCorrDiagKSV\_M\_str.K==>Pos

| Test Step 2.1 (Repeat Count = 1)                  |                           |                | ✓        |
|---------------------------------------------------|---------------------------|----------------|----------|
| Name                                              | Input Value               |                |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0                         |                |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                |          |
| k_CurrCorrErrFiltFc_Hz_f32                        | 0                         |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 0                         |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1                         |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1                         |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                |          |
| Name                                              | Actual Value              | Expected Value | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0                         | 0 ± 0.000009   | ~        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 0                         | 0 ± 0.00001    | ~        |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32     | 0                         | 0 ± 0.00001    | <b>✓</b> |

| Test Step 2.2 (Repeat Count = 1)                  |                           |                           |        |
|---------------------------------------------------|---------------------------|---------------------------|--------|
| Name                                              | Input Value               |                           |        |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.999984741               |                           |        |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                           |        |
| k_CurrCorrErrFiltFc_Hz_f32                        | 882.542419                |                           |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 80000                     |                           |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                         |                           |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                         |                           |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                           |        |
| Name                                              | Actual Value              | Expected Value            | Result |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.999984741               | 0.999984741 ± 0.000009    | -      |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 3.75000018e-005           | 3.75000018e-005 ± 0.00001 | •      |
| CmMtrCurr MtrCurr2OffDelta VoltpVoltCnt M f32     | 3.75000018e-005           | 3.75000018e-005 ± 0.00001 | ·      |

| Test Step 2.3 (Repeat Count = 1)                  |                           | <b>✓</b> |
|---------------------------------------------------|---------------------------|----------|
| Name                                              | Input Value               |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.0588000007              |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |          |
| k_CurrCorrErrFiltFc_Hz_f32                        | 51.1913986                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 9601.02148                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1                         |          |

2016-07-24, 12:33:33+0530



CmMtrCurr\_Init

| Name                                              | Input Value       |                        |          |
|---------------------------------------------------|-------------------|------------------------|----------|
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.40897918        |                        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal |                        |          |
| Name                                              | Actual Value      | Expected Value         | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.474439561       | 0.474439561 ± 0.000009 | ~        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 0                 | 0 ± 0.00001            | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32     | 0                 | 0 ± 0.00001            | ~        |

| Test Step 2.4 (Repeat Count = 1)                  |                           |                           | ~      |
|---------------------------------------------------|---------------------------|---------------------------|--------|
| Name                                              | Input Value               |                           |        |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.117600001               |                           |        |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                           |        |
| k_CurrCorrErrFiltFc_Hz_f32                        | 102.382797                |                           |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 30761.5977                |                           |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                         |                           |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                         |                           |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                           |        |
| Name                                              | Actual Value              | Expected Value            | Result |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.723786235               | 0.723786235 ± 0.000009    | •      |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 9.75241928e-005           | 9.75242001e-005 ± 0.00001 | •      |
| CmMtrCurr MtrCurr2OffDelta VoltpVoltCnt M f32     | 9.75241928e-005           | 9.75242001e-005 ± 0.00001 | •      |

| Test Step 2.5 (Repeat Count = 1)                  |                           |                           | ✓      |
|---------------------------------------------------|---------------------------|---------------------------|--------|
| Name                                              | Input Value               |                           |        |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.176400006               |                           |        |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                           |        |
| k_CurrCorrErrFiltFc_Hz_f32                        | 153.574203                |                           |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 39424.3242                |                           |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.5                       |                           |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.78877461                |                           |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                           |        |
| Name                                              | Actual Value              | Expected Value            | Result |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.854833007               | 0.854832947 ± 0.000009    | ~      |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 6.34126263e-005           | 6.34126263e-005 ± 0.00001 | ~      |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32     | 4.53723587e-005           | 4.53723987e-005 ± 0.00001 | ~      |

| Test Step 2.6 (Repeat Count = 1)                  |                           |                           | ~      |
|---------------------------------------------------|---------------------------|---------------------------|--------|
| Name                                              | Input Value               |                           |        |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.235200003               |                           |        |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                           |        |
| k_CurrCorrErrFiltFc_Hz_f32                        | 204.765594                |                           |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 72006.2109                |                           |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.80789995                |                           |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1                         |                           |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                           |        |
| Name                                              | Actual Value              | Expected Value            | Result |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.923705935               | 0.923705935 ± 0.000009    | ~      |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 3.89952475e-005           | 3.89952002e-005 ± 0.00001 | ~      |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32     | 1.38876912e-005           | 1.38877003e-005 ± 0.00001 | •      |

| Test Step 2.7 (Repeat Count = 1)                  |                           |                        | •      |
|---------------------------------------------------|---------------------------|------------------------|--------|
| Name                                              | Input Value               |                        |        |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.294                     |                        |        |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                        |        |
| k_CurrCorrErrFiltFc_Hz_f32                        | 255.957001                |                        |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 13553.04                  |                        |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.65339994                |                        |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                         |                        |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                        |        |
| Name                                              | Actual Value              | Expected Value         | Result |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.959902883               | 0.959902883 ± 0.000009 | •      |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 0                         | 0 ± 0.00001            | •      |
| CmMtrCurr MtrCurr2OffDelta VoltpVoltCnt M f32     | 0                         | 0 ± 0.00001            | •      |



| Test Step 2.8 (Repeat Count = 1)                  |                           |                           | ✓        |
|---------------------------------------------------|---------------------------|---------------------------|----------|
| Name                                              | Input Value               |                           |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.352800012               |                           |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                           |          |
| k_CurrCorrErrFiltFc_Hz_f32                        | 307.148407                |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 66035.0391                |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.38520002                |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.5                       |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                           |          |
| Name                                              | Actual Value              | Expected Value            | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.978926539               | 0.978926539 ± 0.000009    | ~        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 3.61202183e-005           | 3.61202001e-005 ± 0.00001 | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32     | 3.78586883e-005           | 3.78586883e-005 ± 0.00001 | <b>✓</b> |

| Test Step 2.9 (Repeat Count = 1)                  |                           |                        | <b>✓</b> |
|---------------------------------------------------|---------------------------|------------------------|----------|
| Name                                              | Input Value               |                        |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.411599994               |                        |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                        |          |
| k_CurrCorrErrFiltFc_Hz_f32                        | 358.339813                |                        |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 0                         |                        |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.94779992                |                        |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.51845908                |                        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                        |          |
| Name                                              | Actual Value              | Expected Value         | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.988924623               | 0.988924623 ± 0.000009 | ~        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 0                         | 0 ± 0.00001            | ~        |
| CmMtrCurr MtrCurr2OffDelta VoltpVoltCnt M f32     | 0                         | 0 ± 0.00001            | <b>✓</b> |

| Test Step 2.10 (Repeat Count = 1)                 |                           |                           | <b>✓</b> |
|---------------------------------------------------|---------------------------|---------------------------|----------|
| Name                                              | Input Value               |                           |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.470400006               |                           |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                           |          |
| k_CurrCorrErrFiltFc_Hz_f32                        | 409.531189                |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 80000                     |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.25469995                |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.85893345                |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                           |          |
| Name                                              | Actual Value              | Expected Value            | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.994179249               | 0.994179189 ± 0.000009    | -        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 1.56837486e-005           | 1.56837996e-005 ± 0.00001 | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32     | 3.57366698e-005           | 3.57366989e-005 ± 0.00001 | -        |

| Test Step 2.11 (Repeat Count = 1)                 |                           |                           | <b>~</b> |
|---------------------------------------------------|---------------------------|---------------------------|----------|
| Name                                              | Input Value               |                           |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.529200017               |                           |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                           |          |
| k_CurrCorrErrFiltFc_Hz_f32                        | 460.722595                |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 49634.3672                |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.1954                    |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.8202374                 |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                           |          |
| Name                                              | Actual Value              | Expected Value            | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.996940851               | 0.996940851 ± 0.000009    | -        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 2.40841182e-005           | 2.40841e-005 ± 0.00001    | •        |
| CmMtrCurr MtrCurr2OffDelta VoltpVoltCnt M f32     | 5.68202558e-005           | 5.68202995e-005 ± 0.00001 | •        |

| Test Step 2.12 (Repeat Count = 1)         | <b>✓</b>                  |
|-------------------------------------------|---------------------------|
| Name                                      | Input Value               |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32 | 0.588                     |
| Rte_Inst_Sa_CmMtrCurr                     | tgt_Rte_Inst_Sa_CmMtrCurr |

CmMtrCurr\_Init

2016-07-24, 12:33:33+0530



| Name                                              | Input Value       |                |          |
|---------------------------------------------------|-------------------|----------------|----------|
| k_CurrCorrErrFiltFc_Hz_f32                        | 0                 |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 7272.27295        |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.53009999        |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.62580001        |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal |                |          |
| Name                                              | Actual Value      | Expected Value | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0                 | 0 ± 0.000009   | ~        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 0                 | 0 ± 0.00001    | ✓        |
| CmMtrCurr MtrCurr2OffDelta VoltpVoltCnt M f32     | 0                 | 0 ± 0.00001    | <b>✓</b> |

| Test Step 2.13 (Repeat Count = 1)                 |                           |                        | <b>~</b> |
|---------------------------------------------------|---------------------------|------------------------|----------|
| Name                                              | Input Value               |                        |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.646799982               |                        |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                        |          |
| k_CurrCorrErrFiltFc_Hz_f32                        | 882.542419                |                        |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 14544.5459                |                        |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.66919994                |                        |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.77359998                |                        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                        |          |
| Name                                              | Actual Value              | Expected Value         | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.999984741               | 0.999984741 ± 0.000009 | ~        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 0                         | 0 ± 0.00001            | ~        |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32     | 0                         | 0 ± 0.00001            | ~        |

| Test Step 2.14 (Repeat Count = 1)                 |                           |                           | ×        |
|---------------------------------------------------|---------------------------|---------------------------|----------|
| Name                                              | Input Value               |                           |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.705600023               |                           |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                           |          |
| k_CurrCorrErrFiltFc_Hz_f32                        | 1.79534292                |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 21816.8184                |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.80830002                |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.92139995                |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                           |          |
| Name                                              | Actual Value              | Expected Value            | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.0223083496              | 0.0223083496 ± 0.000009   | -        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 8.28855991e-005           | 8.28855991e-005 ± 0.00001 | <b>✓</b> |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32     | 8.8069668e-005            | 8.80696971e-005 ± 0.00001 | -        |

| Test Step 2.15 (Repeat Count = 1)                 |                           |                           | ~        |
|---------------------------------------------------|---------------------------|---------------------------|----------|
| Name                                              | Input Value               |                           |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0                         |                           |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                           |          |
| k_CurrCorrErrFiltFc_Hz_f32                        | 767.870972                |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 65450.4531                |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.64289999                |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.80819988                |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                           |          |
| Name                                              | Actual Value              | Expected Value            | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.999935508               | 0.999935508 ± 0.000009    | ~        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 4.03801641e-005           | 4.03802005e-005 ± 0.00001 | <b>~</b> |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32     | 4.29057363e-005           | 4.29057e-005 ± 0.00001    | <b>✓</b> |



| Test Step 2.16 (Repeat Count = 1)                 |                           |                           | ✓      |
|---------------------------------------------------|---------------------------|---------------------------|--------|
| Name                                              | Input Value               |                           |        |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.999984741               |                           |        |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                           |        |
| k_CurrCorrErrFiltFc_Hz_f32                        | 819.062378                |                           |        |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 72722.7266                |                           |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.78200006                |                           |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.95600009                |                           |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                           |        |
| Name                                              | Actual Value              | Expected Value            | Result |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.999966145               | 0.999966145 ± 0.000009    | •      |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 3.82548933e-005           | 3.82549006e-005 ± 0.00001 | •      |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32     | 4.0647541e-005            | 4.0647501e-005 ± 0.00001  | ✓      |

| Test Step 2.17 (Repeat Count = 1)                 |                           |                           | <b>~</b> |
|---------------------------------------------------|---------------------------|---------------------------|----------|
| Name                                              | Input Value               |                           |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.584779978               |                           |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                           |          |
| k_CurrCorrErrFiltFc_Hz_f32                        | 870.253784                |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 79995                     |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.9210999                 |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.97869992                |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                           |          |
| Name                                              | Actual Value              | Expected Value            | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.999982178               | 0.999982178 ± 0.000009    | -        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 3.65160304e-005           | 3.65160013e-005 ± 0.00001 | •        |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32     | 3.72360773e-005           | 3.72360992e-005 ± 0.00001 | -        |

#### Test Case 3: Path Test

Specification

Performance Metrics : [With "None" Instrumentation and WithPS Environment]

CPU Cycles:

TS3.1 602.00 Cycles TS3.2 569.00 Cycles

**Description** VECTOR DESCRIPTION:

 $TS3.1 \quad If ((Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32) >= D\_MINVCALCMD\_CNT\_F32) == > True \\ TS3.2 \quad If ((Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32) >= D\_MINVCALCMD\_CNT\_F32) == > False \\ TS3.2 \quad If ((Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32) >= D\_MINVCALCMD\_CNT\_F32) == > False \\ TS3.2 \quad If ((Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32) >= D\_MINVCALCMD\_CNT\_F32) == > False \\ TS3.2 \quad If ((Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32) >= D\_MINVCALCMD\_CNT\_F32) == > False \\ TS3.2 \quad If ((Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32) >= D\_MINVCALCMD\_CNT\_F32) == > False \\ TS3.2 \quad If ((Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32) >= D\_MINVCALCMD\_CNT\_F32) == > False \\ TS3.2 \quad If ((Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32) >= D\_MINVCALCMD\_CNT\_F32) == > False \\ TS3.2 \quad If ((Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32) >= D\_MINVCALCMD\_CNT\_F32) == > False \\ TS3.2 \quad If ((Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32) >= D\_MINVCALCMD\_CNT\_F32) == > False \\ TS3.2 \quad If ((Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32) >= D\_MINVCALCMD\_CNT\_F32) == > False \\ TS3.2 \quad If ((Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32) >= D\_MINVCALCMD\_CNT\_F32) == > False \\ TS3.2 \quad If ((Rte\_Pim\_ShCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOLMtrCurrCal.EOL$ 

| Test Step 3.1 (Repeat Count = 1)                  |                           |                           | <b>✓</b> |
|---------------------------------------------------|---------------------------|---------------------------|----------|
| Name                                              | Input Value               |                           |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.117600001               |                           |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                           |          |
| k_CurrCorrErrFiltFc_Hz_f32                        | 102.382797                |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 30761.5977                |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                         |                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                         |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                           |          |
| Name                                              | Actual Value              | Expected Value            | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.723786235               | 0.723786235 ± 0.000009    | ~        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 9.75241928e-005           | 9.75242001e-005 ± 0.00001 | ~        |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32     | 9.75241928e-005           | 9.75242001e-005 ± 0.00001 | ~        |

| Test Step 3.2 (Repeat Count = 1)                  |                             | <b>✓</b> |
|---------------------------------------------------|-----------------------------|----------|
| Name                                              | Input Value                 |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.411599994                 |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr   |          |
| k_CurrCorrErrFiltFc_Hz_f32                        | 358.339813                  |          |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 0                           |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.94779992                  |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.51845908                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal           |          |
| Name                                              | Actual Value Expected Value | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32         | 0.988924623                 | 009      |

2016-07-24, 12:33:33+0530



CmMtrCurr\_Init

| Name                                          | Actual Value | Expected Value | Result |
|-----------------------------------------------|--------------|----------------|--------|
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32 | 0            | 0 ± 0.00001    | ~      |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 | 0            | 0 ± 0.00001    | ~      |

2016-07-24, 12:34:53+0530



CmMtrCurr\_Per1

Project CmMtrCurr1

Module CmMtrCurr\_MTRCURRPHASEAC\_ON

Test Object CmMtrCurr\_Per1

### Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|-------------------------|-------|
| Branch (C1) Coverage    | 100 % |

#### **Statistics**

| Total Testcases | 2 |   |
|-----------------|---|---|
| Successful      | 2 | ✓ |
| Failed          | 0 |   |
| Not Executed    | 0 |   |

#### **Module Properties**

| Project Root Directory | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP                                                                                                                                                                                                                                              |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Configuration File     | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config<br>\TMS570_GCC_UDE_CCS4_Config.xml                                                                                                                                                                                        |
| Target Environment     | TI TMS 570 PLS UDE (Default)                                                                                                                                                                                                                                                                  |
| Kind of Test           | Unit Test                                                                                                                                                                                                                                                                                     |
| Linker Options         |                                                                                                                                                                                                                                                                                               |
| Source File(s)         |                                                                                                                                                                                                                                                                                               |
| File                   | \$(PROJECTROOT)\CmMtrCurr\src\Sa_CmMtrCurr.c                                                                                                                                                                                                                                                  |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include |
| File                   | \$(PROJECTROOT)\NxtrLib\src\interpolation.c                                                                                                                                                                                                                                                   |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include                                          |

| ame                                  | Text                                                                                                                                                                                                                                                                                                                               |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ame odule mMtrCurr_MTRCURRPHASEAC_ON | **************************************                                                                                                                                                                                                                                                                                             |
|                                      | Note2:- ""CBD_Sandbox_dbg.map"" map file is embedded for reference.                                                                                                                                                                                                                                                                |
|                                      | Note3:-In function ""CmMtrCurr_Per3"" some variables are going out of range for some vectors,accepted by devloper variables are :- MtrCurr2SumHi_Volt_M_f32, VecuSum_Volt_M_f32, MtrCurr1SumLo_Volt_M_f32, MtrCurr2SumLo_Volt_M_f32, MtrCurr1SumZero_Volt_M_f32,MtrCurr2SumZero_Volt_M_f32, CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16. |
|                                      | Note4:-In function CurrDQPer1(), variables 'MtrCurrK1_Amps_f32' and 'MtrCurrK2_Amps_f32' are going to very large values."                                                                                                                                                                                                          |

| Attributes            |                                                                      |
|-----------------------|----------------------------------------------------------------------|
| Name                  | Value                                                                |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5 |
| Float Precision       | 9                                                                    |

2016-07-24, 12:34:53+0530





| Attributes          |                                                                                          |  |
|---------------------|------------------------------------------------------------------------------------------|--|
| Name                | Value                                                                                    |  |
| InitObjDir          | <pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>                            |  |
| InitSrcDir          | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                                       |  |
| Linker File         | <pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>                   |  |
| Makefile Template   | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_Ps.tpl                  |  |
| Target Install Path | <pre>\$(ProgramFiles)\pls\UDE 4.4</pre>                                                  |  |
| Time Unit           | cycles                                                                                   |  |
| Timer Enabled       | false                                                                                    |  |
| Timer Prescale      | 0                                                                                        |  |
| Timer Resolution    | 1                                                                                        |  |
| UDE Config File     | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                             |  |
| Workspace File      | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NOUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |  |



#### Test Case 1: Metrics Test

Specification

Performance Metrics : [With "None" Instrumentation and WithPS Environment]

CPU Cycles:

TC1.1 1220.00 Cycles TC1.2 1220.00 Cycles

Description VECTOR DESCRIPTION:

TS1.1 Shortest Execution Path==> IntplVarXY\_s16\_s16Xs16Y\_Cnt = False TS1.2 Longest Execution Path==> IntplVarXY\_s16\_s16Xs16Y\_Cnt = True

| Test Step 1.1 (Repeat Count = 1)                                                                          |                                        |                          | ✓        |
|-----------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------|----------|
| Name                                                                                                      | Input Value                            |                          |          |
| Rte_Inst_Sa_CmMtrCurr                                                                                     | tgt_Rte_Inst_Sa_CmMtrCurr              |                          |          |
| tgt CmMtrCurr Per1 FiltCntrlTemp DegC f32.value                                                           | 0                                      |                          |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                                                      | -480                                   |                          |          |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[1]                                                      | -320                                   |                          |          |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[2]                                                      | -160                                   |                          |          |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[3]                                                      | -32                                    |                          |          |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[4]                                                      | 800                                    |                          |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                                                      | 1600                                   |                          |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                      | 2592                                   |                          |          |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[7]                                                      | 2720                                   |                          |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                                                      | 2880                                   |                          |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                                                      | 3040                                   |                          |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                                     | 3072                                   |                          |          |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[11]                                                     | 3104                                   |                          |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                     | 3840                                   |                          |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                                     | 4000                                   |                          |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                     | 4160                                   |                          |          |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[15]                                                     | 4320                                   |                          |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                                                        | 2                                      |                          |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                                                        | 4                                      |                          |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                                                        | 6                                      |                          |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[3]                                                        | 8                                      |                          |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                                                        | 10                                     |                          |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[5]                                                        | 12                                     |                          |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                                                        | 14                                     |                          |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                                                        | 16                                     |                          |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[8]                                                        | 18                                     |                          |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[9]                                                        | 20                                     |                          |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                                                       | 23                                     |                          |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                                                       | 25                                     |                          |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[12]                                                       | 27                                     |                          |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[13]                                                       | 29                                     |                          |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[14]                                                       | 31                                     |                          |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                                                       | 33                                     |                          |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                                                        | 2                                      |                          |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                                                        | 4                                      |                          |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                                                        | 6                                      |                          |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                                                        | 8                                      |                          |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                                                        | 10                                     |                          |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                                                        | 12                                     |                          |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                                                        | 14                                     |                          |          |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[7]                                                        | 16                                     |                          |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                                                        | 18                                     |                          |          |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[9]                                                        | 20                                     |                          |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                       | 23                                     |                          |          |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[11]                                                       | 25                                     |                          |          |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[12]                                                       | 27                                     |                          |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                                                       | 29                                     |                          |          |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[14]                                                       | 31                                     |                          |          |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[15]                                                       | 33                                     |                          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32                                           | tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_ | f32                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32                                      | tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_ |                          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32                                      | tgt CmMtrCurr Per1 MtrCurr2TempOffset  | _                        |          |
| tgt Rte Inst Sa CmMtrCurr.Pim CurrTempOffset                                                              | tgt Pim CurrTempOffset                 | <b></b>                  |          |
| Name                                                                                                      | Actual Value                           | Expected Value           | Result   |
|                                                                                                           | 0.00390625                             | 0.00390625 ± 0.000000009 | Result   |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value |                                        |                          |          |
| tgt_Critiviti Curt_Per t_iviti Curt_rempOriset_voit_t32.value                                             | 0.00390625                             | 0.00390625 ± 0.000000009 | <b>V</b> |



| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~        |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | ~        |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 1.2 (Repeat Count = 1) Name                                | Input Value                      |                                                      |       |
|----------------------------------------------------------------------|----------------------------------|------------------------------------------------------|-------|
|                                                                      | · ·                              |                                                      |       |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr        |                                                      |       |
| tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value                      | 0                                |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                 | -480                             |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                 | -320                             |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                 | -160                             |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                 | -32                              |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                 | 800                              |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                 | 1600                             |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                 | 2592                             |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                 | 2720                             |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                 | 2880                             |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                 | 3040                             |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                | 3072                             |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                | 3104                             |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                | 3840                             |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                | 4000                             |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                | 4160                             |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                | 4320                             |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                   | 2                                |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                   | 4                                |                                                      |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[2]                   | 6                                |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                   | 8                                |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                   | 10                               |                                                      |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[5]                   | 12                               |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                   | 14                               |                                                      |       |
| tqt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[7]                   | 16                               |                                                      |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[8]                   | 18                               |                                                      |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[9]                   | 20                               |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                  | 23                               |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                  | 25                               |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                  | 27                               |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                  | 29                               |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                  | 31                               |                                                      |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[15]                  | 33                               |                                                      |       |
|                                                                      |                                  |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                   | 2                                |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                   | 4                                |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                   | 6                                |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                   | 8                                |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                   | 10                               |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                   | 12                               |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                   | 14                               |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                   | 16                               |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                   | 18                               |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                   | 20                               |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                  | 23                               |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                  | 25                               |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                  | 27                               |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                  | 29                               |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                  | 31                               |                                                      |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                  | 33                               |                                                      |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32      | tgt_CmMtrCurr_Per1_FiltCntrlTemp | o_DegC_f32                                           |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr1Ten   |                                                      |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr2Ten   |                                                      |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                         | tgt_Pim_CurrTempOffset           | · <del></del>                                        |       |
| Name                                                                 | Actual Value                     | Expected Value                                       | Resu  |
|                                                                      | 0.00390625                       | ·                                                    | ixesu |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value                 | 0.00390625                       | 0.00390625 ± 0.000000009<br>0.00390625 ± 0.000000009 |       |





| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~      |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | ~      |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~      |

# Test Case 2: Range Test Specification Performance Metrics : [With "None" Instrumentation and WithPS Environment] 1047.00 Cycles 1047.00 Cycles 1047.00 Cycles 1047.00 Cycles 1073.00 Cycles 1071.00 Cycles 1202.00 Cycles 1047.00 Cycles 1202.00 Cycles 1202.00 Cycles 1202.00 Cycles 1202.00 Cycles 1220.00 Cycles 1241.00 Cycles 1241.00 Cycles 1281.00 Cycles 1281.00 Cycles 1381.00 Cycles 1381.00 Cycles 1381.00 Cycles TC2.1 TC2.1 TC2.2 TC2.3 TC2.4 TC2.5 TC2.6 TC2.7 TC2.8 TC2.9 TC2.10 TC2.11 TC2.12 TC2.13 TC2.14 TC2.15 TC2.16 TC2.17 TC2.18 TC2.19 TC2.20

1301.00 Cycles 1242.00 Cycles

#### Description VECTOR DESCRIPTION:

TC2.21 TC2.22

```
TS2.1 All Min
TS2.2 All Max
TS2.3 FittCntrlTemp_DegC_f32==>Min
TS2.4 FittCntrlTemp_DegC_f32==>Max
TS2.5 FittCntrlTemp_DegC_f32==>Pos
TS2.6 FittCntrlTemp_DegC_f32==>Zero
TS2.7 FittCntrlTemp_DegC_f32==>Neg
TS2.8 Rte_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5==>Min
TS2.9 Rte_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5==>Max
TS2.10 Rte_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5==>Pos
TS2.11 Rte_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5==>Zero
TS2.12 Rte_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5==>Neg
TS2.13 Rte_Pim_CurrTempOffset.CurrOffsetY1_v0lts_s4p11==>Min
TS2.14 Rte_Pim_CurrTempOffset.CurrOffsetY1_v0lts_s4p11==>Pos
TS2.15 Rte_Pim_CurrTempOffset.CurrOffsetY1_v0lts_s4p11==>Pos
TS2.16 Rte_Pim_CurrTempOffset.CurrOffsetY1_v0lts_s4p11==>Zero
TS2.17 Rte_Pim_CurrTempOffset.CurrOffsetY1_v0lts_s4p11==>Neg
TS2.18 Rte_Pim_CurrTempOffset.CurrOffsetY2_v0lts_s4p11==>Min
TS2.19 Rte_Pim_CurrTempOffset.CurrOffsetY2_v0lts_s4p11==>Max
TS2.10 Rte_Pim_CurrTempOffset.CurrOffsetY2_v0lts_s4p11==>Max
TS2.21 Rte_Pim_CurrTempOffset.CurrOffsetY2_v0lts_s4p11==>Neg
TS2.22 Rte_Pim_CurrTempOffset.CurrOffsetY2_v0lts_s4p11==>Pos
TS2.21 Rte_Pim_CurrTempOffset.CurrOffsetY2_v0lts_s4p11==>Pos
TS2.22 Rte_Pim_CurrTempOffset.CurrOffsetY2_v0lts_s4p11==>Neg
TS2.22 Rte_Pim_CurrTempOffset.CurrOffsetY2_v0lts_s4p11==>Neg
              TS2.1 All Min
```

TS2.22 Rte\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11==>Neg

| Test Step 2.1 (Repeat Count = 1)                      |                           |  |
|-------------------------------------------------------|---------------------------|--|
| Name                                                  | Input Value               |  |
| Rte_Inst_Sa_CmMtrCurr                                 | tgt_Rte_Inst_Sa_CmMtrCurr |  |
| tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value       | -50                       |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]  | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]    | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]    | -53                       |  |

© Report created by TESSY V3.1.13, report template V2.1

2016-07-24, 12:34:53+0530



CmMtrCurr\_Per1

| Name                                                                 | Input Value                               |                           |       |
|----------------------------------------------------------------------|-------------------------------------------|---------------------------|-------|
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                   | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                   | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]                   | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                   | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                   | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                   | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]                   | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                  | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                  | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                  | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                  | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                  | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                  | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                   | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                   | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                   | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                   | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                   | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                   | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                   | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                   | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                   | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                   | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                  | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                  | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                  | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                  | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                  | -53                                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                  | -53                                       |                           |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32      | tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32 |                           |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr1Ter            | mpOffset_Volt_f32         |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr2Ter            | mpOffset_Volt_f32         |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                         | tgt_Pim_CurrTempOffset                    |                           |       |
| Name                                                                 | Actual Value                              | Expected Value            | Resul |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value                 | -0.0258789063                             | -0.025878906 ± 0.00000009 | •     |
| tgt CmMtrCurr Per1 MtrCurr2TempOffset Volt f32.value                 | -0.0258789063                             | -0.025878906 ± 0.00000009 | •     |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~        |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | ~        |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.2 (Repeat Count = 1)                      |                           |  |
|-------------------------------------------------------|---------------------------|--|
| Name                                                  | Input Value               |  |
| Rte_Inst_Sa_CmMtrCurr                                 | tgt_Rte_Inst_Sa_CmMtrCurr |  |
| tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value       | 150                       |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | 4800                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]  | 4800                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | 4800                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | 4800                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | 4800                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | 4800                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | 4800                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | 4800                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | 4800                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | 4800                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | 4800                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | 4800                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | 4800                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | 4800                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] | 4800                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] | 4800                      |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | 53                        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]    | 53                        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]    | 53                        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]    | 53                        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]    | 53                        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]    | 53                        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]    | 53                        |  |

tgt\_CmMtrCurr\_Per1\_MtrCurr1TempOffset\_Volt\_f32.value

tgt\_CmMtrCurr\_Per1\_MtrCurr2TempOffset\_Volt\_f32.value

CmMtrCurr\_Per1

2016-07-24, 12:34:53+0530



0.025878906 ± 0.00000009

0.025878906 ± 0.00000009

Input Value tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[7] 53 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[8] 53 53 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[9] tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[10] 53 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[11] 53 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[12] 53 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[13] 53  $tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[14]$ 53 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[15] 53  $tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[0]$ 53 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[1] 53 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[2] 53 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[3] 53 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[4] 53 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[5] 53 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[6] 53  $tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[7]$ 53 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[8] 53  $tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[9]$ 53 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[10] 53 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[11] 53 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[12] 53 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[13] 53 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[14] 53 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[15] 53  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per1\_FiltCntrlTemp\_DegC\_f32$ tgt\_CmMtrCurr\_Per1\_FiltCntrlTemp\_DegC\_f32 tgt\_CmMtrCurr\_Per1\_MtrCurr1TempOffset\_Volt\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per1\_MtrCurr1TempOffset\_Volt\_f32$  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per1\_MtrCurr2TempOffset\_Volt\_f32$ tgt\_CmMtrCurr\_Per1\_MtrCurr2TempOffset\_Volt\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_CurrTempOffset$ tgt Pim CurrTempOffset **Actual Value Expected Value** Result

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~        |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | ~        |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~        |

0.0258789063

0.0258789063

| Test Step 2.3 (Repeat Count = 1)                      |                           |
|-------------------------------------------------------|---------------------------|
| Name                                                  | Input Value               |
| Rte_Inst_Sa_CmMtrCurr                                 | tgt_Rte_Inst_Sa_CmMtrCurr |
| tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value       | -50                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | -1184                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]  | -928                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | 480                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | 960                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | 1440                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | 1920                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | 2240                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | 2400                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | 2496                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | 3552                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | 3648                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | 3936                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | 4256                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | 4544                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] | 4576                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] | 4736                      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | -45                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]    | -43                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]    | -41                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]    | -39                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]    | -37                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]    | -35                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]    | -33                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]    | -31                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]    | -29                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]    | -27                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]   | -25                       |

2016-07-24, 12:34:53+0530



| Name                                                                 | Input Value                             |                           |        |
|----------------------------------------------------------------------|-----------------------------------------|---------------------------|--------|
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                  | -23                                     |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                  | -20                                     |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                  | -18                                     |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                  | -16                                     |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                  | -14                                     |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                   | -45                                     |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                   | -43                                     |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                   | -41                                     |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                   | -39                                     |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                   | -37                                     |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                   | -35                                     |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                   | -33                                     |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                   | -31                                     |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                   | -29                                     |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                   | -27                                     |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                  | -25                                     |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                  | -23                                     |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                  | -20                                     |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                  | -18                                     |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                  | -16                                     |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                  | -14                                     |                           |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32      | tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f | 32                        |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_\ | /olt_f32                  |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_\ | /olt_f32                  |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                         | tgt_Pim_CurrTempOffset                  |                           |        |
| Name                                                                 | Actual Value                            | Expected Value            | Result |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value                 | -0.0219726563                           | -0.021972656 ± 0.00000009 | ~      |
| tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value                 | -0.0219726563                           | -0.021972656 ± 0.00000009 | ~      |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~      |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | •      |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~      |

| Test Step 2.4 (Repeat Count = 1)                      | <b>√</b>                  |
|-------------------------------------------------------|---------------------------|
| Name                                                  | Input Value               |
| Rte_Inst_Sa_CmMtrCurr                                 | tgt_Rte_Inst_Sa_CmMtrCurr |
| tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value       | 150                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | 0                         |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]  | 192                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | 512                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | 832                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | 1152                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | 1472                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | 1792                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | 2112                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | 2432                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | 2752                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | 3072                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | 3392                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | 3712                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | 4032                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] | 4352                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] | 4672                      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | 1                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]    | 2                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]    | 2                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]    | 2                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]    | 2                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]    | 4                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]    | 6                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]    | 8                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]    | 10                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]    | 12                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]   | 14                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]   | 16                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]   | 18                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]   | 20                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]   | 23                        |

2016-07-24, 12:34:53+0530



CmMtrCurr\_Per1 Input Value tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[15] 25

| 97 =                                                                 |                                         |                          |        |
|----------------------------------------------------------------------|-----------------------------------------|--------------------------|--------|
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                   | 1                                       |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                   | 2                                       |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                   | 2                                       |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                   | 2                                       |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                   | 2                                       |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                   | 4                                       |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                   | 6                                       |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                   | 8                                       |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                   | 10                                      |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                   | 12                                      |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                  | 14                                      |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                  | 16                                      |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                  | 18                                      |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                  | 20                                      |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                  | 23                                      |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                  | 25                                      |                          |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32      | tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f | 32                       |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_\ | /olt_f32                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_\ | /olt_f32                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                         | tgt_Pim_CurrTempOffset                  |                          |        |
| Name                                                                 | Actual Value                            | Expected Value           | Result |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value                 | 0.0122070313                            | 0.012207031 ± 0.00000009 | ~      |
| tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value                 | 0.0122070313                            | 0.012207031 ± 0.00000009 | ~      |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~      |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | ~      |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~      |

| Test Step 2.5 (Repeat Count = 1)                      |                           |
|-------------------------------------------------------|---------------------------|
| Name                                                  | Input Value               |
| Rte_Inst_Sa_CmMtrCurr                                 | tgt_Rte_Inst_Sa_CmMtrCurr |
| tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value       | 105.32                    |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | -960                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]  | -640                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | -320                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | 0                         |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | 512                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | 672                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | 832                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | 992                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | 1472                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | 1632                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | 1792                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | 1952                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | 2432                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | 2592                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] | 2752                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] | 2912                      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | -53                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]    | -51                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]    | -49                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]    | -47                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]    | -45                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]    | -43                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]    | -41                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]    | -39                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]    | -37                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]    | -35                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]   | -33                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]   | -31                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]   | -29                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]   | -27                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]   | -25                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]   | -23                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]    | -53                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]    | -51                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]    | -49                       |

2016-07-24, 12:34:53+0530



| Name                                                                 | Input Value                                    |                           |        |
|----------------------------------------------------------------------|------------------------------------------------|---------------------------|--------|
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                   | -47                                            |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                   | -45                                            |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                   | -43                                            |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                   | -41                                            |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                   | -39                                            |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                   | -37                                            |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                   | -35                                            |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                  | -33                                            |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                  | -31                                            |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                  | -29                                            |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                  | -27                                            |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                  | -25                                            |                           |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                  | -23                                            |                           |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32      | tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f        | 32                        |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_\text{'} | /olt_f32                  |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_\text{'} | /olt_f32                  |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                         | tgt_Pim_CurrTempOffset                         |                           |        |
| Name                                                                 | Actual Value                                   | Expected Value            | Result |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value                 | -0.0112304688                                  | -0.011230469 ± 0.00000009 | ~      |
| tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value                 | -0.0112304688                                  | -0.011230469 ± 0.00000009 | ~      |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~        |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | <b>✓</b> |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.6 (Repeat Count = 1)                      | <b>√</b>                  |
|-------------------------------------------------------|---------------------------|
| Name                                                  | Input Value               |
| Rte_Inst_Sa_CmMtrCurr                                 | tgt_Rte_Inst_Sa_CmMtrCurr |
| tgt CmMtrCurr Per1 FiltCntrlTemp DegC f32.value       | 0                         |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[0]  | -480                      |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[1]  | -320                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | -160                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | -32                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | 800                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | 1600                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | 2592                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | 2720                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | 2880                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | 3040                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | 3072                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | 3104                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | 3840                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | 4000                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] | 4160                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] | 4320                      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | 2                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]    | 4                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]    | 6                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]    | 8                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]    | 10                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]    | 12                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]    | 14                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]    | 16                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]    | 18                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]    | 20                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]   | 23                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]   | 25                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]   | 27                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]   | 29                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]   | 31                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]   | 33                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]    | 2                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]    | 4                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]    | 6                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]    | 8                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]    | 10                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]    | 12                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]    | 14                        |

2016-07-24, 12:34:53+0530



| Name                                                                 | Input Value                             |                          |        |
|----------------------------------------------------------------------|-----------------------------------------|--------------------------|--------|
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                   | 16                                      |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                   | 18                                      |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                   | 20                                      |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                  | 23                                      |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                  | 25                                      |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                  | 27                                      |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                  | 29                                      |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                  | 31                                      |                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                  | 33                                      |                          |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32      | tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f | f32                      |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_  | Volt_f32                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_  | Volt_f32                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                         | tgt_Pim_CurrTempOffset                  |                          |        |
| Name                                                                 | Actual Value                            | Expected Value           | Result |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value                 | 0.00390625                              | 0.00390625 ± 0.000000009 | ~      |
| tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value                 | 0.00390625                              | 0.00390625 ± 0.000000009 | •      |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~      |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | ~      |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~      |

| Test Step 2.7 (Repeat Count = 1)                      | ✓                         |
|-------------------------------------------------------|---------------------------|
| Name                                                  | Input Value               |
| Rte Inst Sa CmMtrCurr                                 | tgt Rte Inst Sa CmMtrCurr |
| tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value       | -33.25                    |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[0]  | 0                         |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[1]  | 384                       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[2]  | 576                       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[3]  | 704                       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[4]  | 896                       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[5]  | 1024                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | 1216                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | 1344                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | 1536                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | 1664                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | 1856                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | 1984                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | 3264                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | 3456                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] | 3904                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] | 4096                      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | -45                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]    | -43                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]    | -41                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]    | -39                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]    | -37                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]    | -35                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]    | -33                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]    | -31                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]    | -29                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]    | -27                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]   | -25                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]   | -23                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]   | -20                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]   | -18                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]   | -16                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]   | -14                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]    | -45                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]    | -43                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]    | -41                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]    | -39                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]    | -37                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]    | -35                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]    | -33                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]    | -31                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]    | -29                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]    | -27<br>-25                |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]   | -2J                       |

tgt\_CmMtrCurr\_Per1\_MtrCurr2TempOffset\_Volt\_f32.value

CmMtrCurr\_Per1

2016-07-24, 12:34:53+0530



-0.021972656 ± 0.00000009

Input Value tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[11] -23 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[12] -20 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[13] -18 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[14] -16 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[15] -14  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per1\_FiltCntrlTemp\_DegC\_f32$ tgt\_CmMtrCurr\_Per1\_FiltCntrlTemp\_DegC\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per1\_MtrCurr1TempOffset\_Volt\_f32 tgt\_CmMtrCurr\_Per1\_MtrCurr1TempOffset\_Volt\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per1\_MtrCurr2TempOffset\_Volt\_f32$  $tgt\_CmMtrCurr\_Per1\_MtrCurr2TempOffset\_Volt\_f32$  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_CurrTempOffset$ tgt\_Pim\_CurrTempOffset Actual Value **Expected Value** Result tgt\_CmMtrCurr\_Per1\_MtrCurr1TempOffset\_Volt\_f32.value -0.0219726563 -0.021972656 ± 0.00000009

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~      |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | •      |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~      |

-0.0219726563

| Test Step 2.8 (Repeat Count = 1)                      |                           |
|-------------------------------------------------------|---------------------------|
| Name                                                  | Input Value               |
| Rte Inst Sa CmMtrCurr                                 | tgt Rte Inst Sa CmMtrCurr |
| tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value       | 17.9649561                |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[0]  | -1600                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]  | -1600                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | -1600                     |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[3]  | -1600                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | -1600                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | -1600                     |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[6]  | -1600                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | -1600                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | -1600                     |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[9]  | -1600                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | -1600                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | -1600                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | -1600                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | -1600                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] | -1600                     |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[15] | -1600                     |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | 1                         |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[1]    | 2                         |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[2]    | 2                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]    | 2                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]    | 2                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]    | 4                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]    | 6                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]    | 8                         |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[8]    | 10                        |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[9]    | 12                        |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[10]   | 14                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]   | 16                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]   | 18                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]   | 20                        |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[14]   | 23                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]   | 25                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]    | 1                         |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[1]    | 2                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]    | 2                         |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[3]    | 2                         |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[4]    | 2                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]    | 4                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]    | 6                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]    | 8                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]    | 10                        |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[9]    | 12                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]   | 14                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]   | 16                        |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[12]   | 18                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]   | 20                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]   | 23                        |
| -9                                                    |                           |

© Report created by TESSY V3.1.13, report template V2.1

2016-07-24, 12:34:53+0530



| Name                                                                 | Input Value                                    |                          |          |
|----------------------------------------------------------------------|------------------------------------------------|--------------------------|----------|
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                  | 25                                             |                          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32      | tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_         | f32                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32 |                          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32 |                          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                         | tgt_Pim_CurrTempOffset                         |                          |          |
| Name                                                                 | Actual Value                                   | Expected Value           | Result   |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value                 | 0.0122070313                                   | 0.012207031 ± 0.00000009 | ~        |
| tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value                 | 0.0122070313                                   | 0.012207031 ± 0.00000009 | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | V        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~        |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | <b>✓</b> |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.9 (Repeat Count = 1)                                                                           | Input Value                                    |
|------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Rte_Inst_Sa_CmMtrCurr                                                                                      | tgt_Rte_Inst_Sa_CmMtrCurr                      |
| gt CmMtrCurr Per1 FiltCntrlTemp DegC f32.value                                                             | -26.43644691                                   |
| gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[0]                                                        | 4800                                           |
| gt Pim CurrTempOffset.CurrTempOffsetX_DegC s10p5[1]                                                        | 4800                                           |
| gt Pim CurrTempOffset.CurrTempOffsetX_DegC s10p5[2]                                                        | 4800                                           |
| gt Pim CurrTempOffset.CurrTempOffsetX_DegC s10p5[3]                                                        | 4800                                           |
| gt Pim CurrTempOffset.CurrTempOffsetX_DegC s10p5[4]                                                        | 4800                                           |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                                                        | 4800                                           |
| gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[6]                                                        | 4800                                           |
| gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[7]                                                        | 4800                                           |
| gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[8]                                                        | 4800                                           |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                                                        | 4800                                           |
| gt Pim CurrTempOffset.CurrTempOffsetX_DegC s10p5[10]                                                       | 4800                                           |
| gt Pim CurrTempOffset.CurrTempOffsetX_DegC s10p5[11]                                                       | 4800                                           |
| gt Pim CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                                                       | 4800                                           |
| gt_rini_currTempOriset.CurrTempOrisetX_DegC_s10p5[12] gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | 4800                                           |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                                       | 4800                                           |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                                                       | 4800                                           |
| gt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[0]                                                          | -53                                            |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                                                          | -51                                            |
| gt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[2]                                                          | -49                                            |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                                                          | -47                                            |
| at Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[4]                                                          | -45                                            |
| gt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[5]                                                          | -43                                            |
| gt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[6]                                                          | -41                                            |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                                                          | -39                                            |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                                                          | -37                                            |
| gt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[9]                                                          | -35                                            |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                                                         | -33                                            |
| gt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[11]                                                         | -31                                            |
| gt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[12]                                                         | -29                                            |
| gt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[13]                                                         | -27                                            |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                                                         | -25                                            |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                                                         | -23                                            |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                                                          | -53                                            |
| gt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[1]                                                          | -51                                            |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                                                          | -49                                            |
| gt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[3]                                                          | -47                                            |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                                                          | -45                                            |
| gt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[5]                                                          | -43                                            |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                                                          | -41                                            |
| gt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[7]                                                          | -39                                            |
| gt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[8]                                                          | -37                                            |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                                                          | -35                                            |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                         | -33                                            |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                                                         | -31                                            |
| pt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                                                         | -29                                            |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                                                         | -27                                            |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                                                         | -25                                            |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                                                         | -23                                            |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32                                             | tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32      |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32                                        | tgt CmMtrCurr Per1 MtrCurr1TempOffset Volt f32 |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32                                        | tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32 |

2016-07-24, 12:34:53+0530



| Name                                                 | Input Value            |                           |          |
|------------------------------------------------------|------------------------|---------------------------|----------|
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset         | tgt_Pim_CurrTempOffset |                           |          |
| Name                                                 | Actual Value           | Expected Value            | Result   |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value | -0.0258789063          | -0.025878906 ± 0.00000009 | ~        |
| tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value | -0.0258789063          | -0.025878906 ± 0.00000009 | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~      |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | ~      |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~      |

| Test Step 2.10 (Repeat Count = 1)                                    |                              |                         | V        |
|----------------------------------------------------------------------|------------------------------|-------------------------|----------|
| Name                                                                 | Input Value                  |                         |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr    |                         |          |
| tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value                      | 52.18713468                  |                         |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                 | 320                          |                         |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                 | 480                          |                         |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                 | 640                          |                         |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                 | 800                          |                         |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                 | 960                          |                         |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                 | 1280                         |                         |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                 | 1440                         |                         |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                 | 1600                         |                         |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                 | 2080                         |                         |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                 | 2400                         |                         |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                | 2560                         |                         |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                | 2720                         |                         |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                | 3040                         |                         |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                | 3360                         |                         |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                | 3680                         |                         |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                | 4160                         |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                   | 2                            |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                   | 4                            |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                   | 6                            |                         |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[3]                   | 8                            |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                   | 10                           |                         |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[5]                   | 12                           |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                   | 14                           |                         |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[7]                   | 16                           |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                   | 18                           |                         |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[9]                   | 20                           |                         |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[10]                  | 23                           |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                  | 25                           |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                  | 27                           |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                  | 29                           |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                  | 31                           |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                  | 33                           |                         |          |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[0]                   | 2                            |                         |          |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[1]                   | 4                            |                         |          |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[2]                   | 6                            |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                   | 8                            |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                   | 10                           |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                   | 12                           |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                   | 14                           |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                   | 16                           |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                   | 18                           |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                   | 20                           |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                  | 23                           |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                  | 25                           |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                  | 27                           |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                  | 29                           |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                  | 31                           |                         |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                  | 33                           |                         |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32      | tgt_CmMtrCurr_Per1_FiltCntrl | Temp_DegC_f32           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr   | 1TempOffset_Volt_f32    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr2  | 2TempOffset_Volt_f32    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                         | tgt_Pim_CurrTempOffset       |                         |          |
| Name                                                                 | Actual Value                 | Expected Value          | Result   |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value                 | 0.0078125                    | 0.0078125 ± 0.000000009 | ~        |
| tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value                 | 0.0078125                    | 0.0078125 ± 0.000000009 | <b>✓</b> |



| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~        |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | ~        |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.11 (Repeat Count = 1) Name                                                                                                                                                                                                                    | Input Value                                                                     |                |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------|-------|
|                                                                                                                                                                                                                                                           | •                                                                               |                |       |
| Rte_Inst_Sa_CmMtrCurr                                                                                                                                                                                                                                     | tgt_Rte_Inst_Sa_CmMtrCurr                                                       |                |       |
| tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value                                                                                                                                                                                                           | -32.50422776                                                                    |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                                                                                                                                                                                                      | 0                                                                               |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                                                                                                                                                                                                      | 0                                                                               |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                                                                                                                                                                                                      | 0                                                                               |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                                                                                                                                                                                                      | 0                                                                               |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                                                                                                                                                                                                      | 0                                                                               |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                                                                                                                                                                                                      | 0                                                                               |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                                                                                                                                                                      | 0                                                                               |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                                                                                                                                                                                                      | 0                                                                               |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                                                                                                                                                                                                      | 0                                                                               |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                                                                                                                                                                                                      | 0                                                                               |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                                                                                                                                                                                     | 0                                                                               |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                                                                                                                                                                                                     | 0                                                                               |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                                                                                                                                                                     | 0                                                                               |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                                                                                                                                                                                     | 0                                                                               |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                                                                                                                                                                     | 0                                                                               |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                                                                                                                                                                                                     | 0                                                                               |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                                                                                                                                                                                                        | -45                                                                             |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                                                                                                                                                                                                        | -43                                                                             |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                                                                                                                                                                                                        | -41                                                                             |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                                                                                                                                                                                                        | -39                                                                             |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                                                                                                                                                                                                        | -37                                                                             |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]                                                                                                                                                                                                        | -35                                                                             |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                                                                                                                                                                                                        | -33                                                                             |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                                                                                                                                                                                                        | -31                                                                             |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                                                                                                                                                                                                        | -29                                                                             |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]                                                                                                                                                                                                        | -27                                                                             |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                                                                                                                                                                                                       | -25                                                                             |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                                                                                                                                                                                                       | -23                                                                             |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                                                                                                                                                                                                       | -20                                                                             |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                                                                                                                                                                                                       | -18                                                                             |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                                                                                                                                                                                                       | -16                                                                             |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                                                                                                                                                                                                       | -14                                                                             |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[0]                                                                                                                                                                                                        | 2                                                                               |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                                                                                                                                                                                                        | 4                                                                               |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[2]                                                                                                                                                                                                        | 6                                                                               |                |       |
| tqt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[3]                                                                                                                                                                                                        | 8                                                                               |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                                                                                                                                                                                                        | 10                                                                              |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[5]                                                                                                                                                                                                        | 12                                                                              |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[6]                                                                                                                                                                                                        | 14                                                                              |                |       |
| tat Pim CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                                                                                                                                                                                                        | 16                                                                              |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[8]                                                                                                                                                                                                        | 18                                                                              |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                                                                                                                                                                                                        | 20                                                                              |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                                                                                                                                                                       | 23                                                                              |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                                                                                                                                                                       | 25                                                                              |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                                                                                                                                                                                                       | 27                                                                              |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_volts_s4p11[12] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                                                                                                                                                   | 29                                                                              |                |       |
|                                                                                                                                                                                                                                                           | 31                                                                              |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                                                                                                                                                                                                       |                                                                                 |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                                                                                                                                                                                                       | 33                                                                              | 122            |       |
| tet Die Inst Co ConMiteCour ConMiteCour Dest ElifortalTerre Desc Con                                                                                                                                                                                      | tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC                                           | _132           |       |
|                                                                                                                                                                                                                                                           | test Contito Com David Mario AT 200                                             | 1 \/alt f22    |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32                                                                                                                                                                                      | tgt_CmMtrCurr_Per1_MtrCurr1TempOffset                                           |                |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32<br>tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32                                                                                                              | tgt_CmMtrCurr_Per1_MtrCurr2TempOffset                                           |                |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32  tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32  tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset | tgt_CmMtrCurr_Per1_MtrCurr2TempOffset<br>tgt_Pim_CurrTempOffset                 | i_Volt_f32     |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name                                                              | tgt_CmMtrCurr_Per1_MtrCurr2TempOffset<br>tgt_Pim_CurrTempOffset<br>Actual Value | Expected Value | Resul |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32<br>tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32<br>tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                              | tgt_CmMtrCurr_Per1_MtrCurr2TempOffset<br>tgt_Pim_CurrTempOffset                 | i_Volt_f32     | Resu  |



| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~        |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | •        |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.12 (Repeat Count = 1) Name                               | Input Value                       |                                                        |      |
|----------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------|------|
|                                                                      | Input Value                       |                                                        |      |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr         |                                                        |      |
| tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value                      | 6.719212592                       |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                 | -1536                             |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                 | -1440                             |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                 | -1376                             |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                 | -1280                             |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                 | -1216                             |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                 | -1120                             |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                 | -1056                             |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                 | -960                              |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                 | -896                              |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                 | -800                              |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                | -704                              |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                | -640                              |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                | -480                              |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                | -384                              |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                | -320                              |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                | -160                              |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                   | 1                                 |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                   | 2                                 |                                                        |      |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[2]                   | 2                                 |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                   | 2                                 |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                   | 2                                 |                                                        |      |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[5]                   | 4                                 |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                   | 6                                 |                                                        |      |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[7]                   | 8                                 |                                                        |      |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[8]                   | 10                                |                                                        |      |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[9]                   | 12                                |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                  | 14                                |                                                        |      |
|                                                                      | 16                                |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                  | 18                                |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                  | 20                                |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                  |                                   |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                  | 23                                |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                  | 25                                |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                   | -45                               |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                   | -43                               |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                   | -41                               |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                   | -39                               |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                   | -37                               |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                   | -35                               |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                   | -33                               |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                   | -31                               |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                   | -29                               |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                   | -27                               |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                  | -25                               |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                  | -23                               |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                  | -20                               |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                  | -18                               |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                  | -16                               |                                                        |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                  | -14                               |                                                        |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32      | tgt_CmMtrCurr_Per1_FiltCntrlTemp_ | DegC_f32                                               |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr1Temp   |                                                        |      |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per1 MtrCurr2TempOffset Volt f32 | tgt_CmMtrCurr_Per1_MtrCurr2Temp   |                                                        |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                         | tgt_Pim_CurrTempOffset            | <del></del>                                            |      |
| Name                                                                 | Actual Value                      | Expected Value                                         | Resu |
|                                                                      | 0.0122070313                      | ·                                                      | Resu |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value                 | -0.0068359375                     | 0.012207031 ± 0.00000009<br>-0.006835938 ± 0.000000009 |      |





| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~        |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | ~        |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.13 (Repeat Count = 1) Name                                  | Input Value                              |                            |      |
|-------------------------------------------------------------------------|------------------------------------------|----------------------------|------|
|                                                                         | •                                        |                            |      |
| Rte_Inst_Sa_CmMtrCurr tgt CmMtrCurr Per1 FiltCntrlTemp DegC f32.value   | tgt_Rte_Inst_Sa_CmMtrCurr<br>18.53833246 |                            |      |
| tqt Pim CurrTempOffset.CurrTempOffsetX DeqC s10p5[0]                    | 0                                        |                            |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                    | 192                                      |                            |      |
| tgt Pim CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                    | 512                                      |                            |      |
|                                                                         | 832                                      |                            |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                    |                                          |                            |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                    | 1152                                     |                            |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                    | 1472                                     |                            |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                    | 1696                                     |                            |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                    | 1824                                     |                            |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                    | 2112                                     |                            |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                    | 2272                                     |                            |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                   | 2496                                     |                            |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                   | 2624                                     |                            |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                   | 3264                                     |                            |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                   | 3552                                     |                            |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                   | 3904                                     |                            |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                   | 3936                                     |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                      | -53                                      |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                      | -53                                      |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                      | -53                                      |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                      | -53                                      |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                      | -53                                      |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]                      | -53                                      |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                      | -53                                      |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                      | -53                                      |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                      | -53                                      |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]                      | -53                                      |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                     | -53                                      |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                     | -53                                      |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                     | -53                                      |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                     | -53                                      |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                     | -53                                      |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                     | -53                                      |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                      | 1                                        |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                      | 2                                        |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                      | 2                                        |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                      | 2                                        |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                      | 2                                        |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                      | 4                                        |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                      | 6                                        |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                      | 8                                        |                            |      |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[8]                      | 10                                       |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                      | 12                                       |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                     | 14                                       |                            |      |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[11]                     | 16                                       |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                     | 18                                       |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                     | 20                                       |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                     | 23                                       |                            |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                     | 25                                       |                            |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32         | tgt CmMtrCurr Per1 FiltCntrlTemp Deg     | C f32                      |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32    | tgt CmMtrCurr Per1 MtrCurr1TempOffs      | _                          |      |
| gt_Rte_Inst_Sa_CrimitCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32    | tgt_CmMtrCurr_Per1_MtrCurr2TempOffs      |                            |      |
| gt_Rie_Inst_Sa_CrimitiCurr.CrimitiCurr_Peri_mitCurr_TempOffset_voit_isz |                                          | C(_VOI(_I)2                |      |
|                                                                         | tgt_Pim_CurrTempOffset                   | Formando d Wells           |      |
| Name                                                                    | Actual Value                             | Expected Value             | Resu |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value                    | -0.0258789063                            | -0.025878906 ± 0.00000009  |      |
| tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value                    | 0.0009765625                             | 0.000976563 ± 0.0000000009 |      |
|                                                                         |                                          |                            |      |



| Test Step Call Trace                          |       |                                               |       | ✓      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~      |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | ~      |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~      |

| Test Step 2.14 (Repeat Count = 1) Name                               | Innut Value                         |                           |       |
|----------------------------------------------------------------------|-------------------------------------|---------------------------|-------|
|                                                                      | Input Value                         |                           |       |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr           |                           |       |
| tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value                      | 134.8001501                         |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                 | 384                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                 | 704                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                 | 1024                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                 | 1344                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                 | 1664                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                 | 1984                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                 | 2304                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                 | 2624                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                 | 2944                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                 | 3168                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                | 3232                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                | 3552                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                | 3872                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                | 4192                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                | 4512                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                | 4768                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                   | 53                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                   | 53                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                   | 53                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                   | 53                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                   | 53                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]                   | 53                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                   | 53                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                   | 53                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                   | 53                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]                   | 53                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                  | 53                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                  | 53                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                  | 53                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                  | 53                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                  | 53                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                  | 53                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                   | -53                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                   | -51                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                   | -49                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                   | -47                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                   | -45                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                   | -43                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                   | -41                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                   | -39                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                   | -37                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                   | -35                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                  | -33                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                  | -31                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                  | -29                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                  | -27                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                  | -25                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                  | -23                                 |                           |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32      | tgt_CmMtrCurr_Per1_FiltCntrlTemp_De | gC_f32                    |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr1TempOff  |                           |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr2TempOff  |                           |       |
| tgt Rte Inst Sa CmMtrCurr.Pim CurrTempOffset                         | tgt_Pim_CurrTempOffset              |                           |       |
| Name                                                                 | Actual Value                        | Expected Value            | Resu  |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value                 | 0.0258789063                        | 0.025878906 ± 0.00000009  | Resul |
| tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_132.value                 | -0.0131835938                       | -0.013183594 ± 0.00000009 |       |



| Test Step Call Trace                          |       |                                               |       | ✓      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~      |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | ~      |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~      |

| Test Step 2.15 (Repeat Count = 1)                                    | Immust Value                       |                          |       |
|----------------------------------------------------------------------|------------------------------------|--------------------------|-------|
| Name                                                                 | Input Value                        |                          |       |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr          |                          |       |
| tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value                      | 122.2946655                        |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                 | -1440                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                 | -1280                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                 | -1120                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                 | -960                               |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                 | -800                               |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                 | -640                               |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                 | -480                               |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                 | -160                               |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                 | 0                                  |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                 | 320                                |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                | 640                                |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                | 960                                |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                | 1280                               |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                | 1920                               |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                | 2240                               |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                | 2560                               |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                   | 2                                  |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                   | 4                                  |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                   | 6                                  |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                   | 8                                  |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                   | 10                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]                   | 12                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                   | 14                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                   | 16                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                   | 18                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]                   | 20                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                  | 23                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                  | 25                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                  | 27                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                  | 29                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                  | 31                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                  | 33                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                   | 2                                  |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                   | 4                                  |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                   | 6                                  |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                   | 8                                  |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                   | 10                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                   | 12                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                   | 14                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                   | 16                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                   | 18                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                   | 20                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                  | 23                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                  | 25                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                  | 27                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                  | 29                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                  | 31                                 |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                  | 33                                 |                          |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32      | tgt_CmMtrCurr_Per1_FiltCntrlTemp_D | egC_f32                  |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr1TempO   |                          |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32 | tgt CmMtrCurr Per1 MtrCurr2TempO   |                          |       |
| tgt Rte Inst Sa CmMtrCurr.Pim CurrTempOffset                         | tgt_Pim_CurrTempOffset             |                          |       |
| Name                                                                 | Actual Value                       | Expected Value           | Resul |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value                 | 0.0161132813                       | 0.016113281 ± 0.00000009 | Resul |
| tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_132.value                 | 0.0161132813                       | 0.016113281 ± 0.00000009 |       |



| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~        |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | ~        |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.16 (Repeat Count = 1) Name                                                                    | Input Value                      |                          |       |
|-----------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------|-------|
|                                                                                                           | · ·                              |                          |       |
| Rte_Inst_Sa_CmMtrCurr                                                                                     | tgt_Rte_Inst_Sa_CmMtrCurr        |                          |       |
| tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value                                                           | -7.341285408                     |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                                                      | -1120                            |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                                                      | -896                             |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                                                      | -672                             |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                                                      | -448                             |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                                                      | -224                             |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                                                      | 224                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                      | 448                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                                                      | 672                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                                                      | 896                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                                                      | 1120                             |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                                     | 1344                             |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                                                     | 1568                             |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                     | 1792                             |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                                     | 2016                             |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                     | 2240                             |                          |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                                                     | 2464                             |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                                                        | 0                                |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                                                        | 0                                |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                                                        | 0                                |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                                                        | 0                                |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                                                        | 0                                |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]                                                        | 0                                |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                                                        | 0                                |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                                                        | 0                                |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                                                        | 0                                |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]                                                        | 0                                |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                                                       | 0                                |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                                                       | 0                                |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                                                       | 0                                |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                                                       | 0                                |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                                                       | 0                                |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                                                       | 0                                |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                                                        | -45                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                                                        | -43                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                                                        | -41                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                                                        | -39                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                                                        | -37                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                                                        | -35                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                                                        | -33                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                                                        | -31                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                                                        | -29                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                                                        | -27                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                       | -25                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                                                       | -23                              |                          |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[12]                                                       | -20                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                                                       | -18                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                                                       | -16                              |                          |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                                                       | -14                              |                          |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32                                           | tgt_CmMtrCurr_Per1_FiltCntrlTemp | DegC f32                 |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32                                      | tgt_CmMtrCurr_Per1_MtrCurr1Tem   |                          |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32                                      | tgt_CmMtrCurr_Per1_MtrCurr2Tem   |                          |       |
| tgt Rte Inst Sa CmMtrCurr.Pim CurrTempOffset                                                              | tgt_Pim_CurrTempOffset           | h                        |       |
| Name                                                                                                      | Actual Value                     | Expected Value           | Resul |
|                                                                                                           | 0                                | 0 ± 0.000009             | Resul |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value | -0.0185546875                    | -0.018554688 ± 0.0000009 |       |





| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~        |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | ~        |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~        |

| Name                                                                                                      | Input Value                        |                            |       |
|-----------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------|-------|
| Rte_Inst_Sa_CmMtrCurr                                                                                     | tgt_Rte_Inst_Sa_CmMtrCurr          |                            |       |
| tgt CmMtrCurr Per1 FiltCntrlTemp DegC f32.value                                                           | -34.03871846                       |                            |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[0]                                                      | 288                                |                            |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                                                      | 384                                |                            |       |
|                                                                                                           | 608                                |                            |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                                                      | 704                                |                            |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3] tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4] | 928                                |                            |       |
|                                                                                                           |                                    |                            |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                                                      | 1024                               |                            |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                      | 1248                               |                            |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                                                      | 1344                               |                            |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                                                      | 1568                               |                            |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                                                      | 1664                               |                            |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                                     | 1888                               |                            |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                                                     | 1984                               |                            |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                     | 2208                               |                            |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                                     | 2304                               |                            |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                     | 2528                               |                            |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                                                     | 2624                               |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                                                        | -45                                |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                                                        | -43                                |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                                                        | -41                                |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                                                        | -39                                |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                                                        | -37                                |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]                                                        | -35                                |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                                                        | -33                                |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                                                        | -31                                |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                                                        | -29                                |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]                                                        | -27                                |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                                                       | -25                                |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                                                       | -23                                |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                                                       | -20                                |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                                                       | -18                                |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                                                       | -16                                |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                                                       | -14                                |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                                                        | 2                                  |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                                                        | 4                                  |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                                                        | 6                                  |                            |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[3]                                                        | 8                                  |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                                                        | 10                                 |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                                                        | 12                                 |                            |       |
| tqt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[6]                                                        | 14                                 |                            |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[7]                                                        | 16                                 |                            |       |
| tat Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[8]                                                        | 18                                 |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                                                        | 20                                 |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                       | 23                                 |                            |       |
| tgt_Pint_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                      | 25                                 |                            |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[12]                                                       | 27                                 |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                                                       | 29                                 |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                                                       | 31                                 |                            |       |
|                                                                                                           | 33                                 |                            |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                                                       |                                    | DogC #22                   |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32                                           | tgt_CmMtrCurr_Per1_FiltCntrlTemp_I |                            |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32                                      | tgt_CmMtrCurr_Per1_MtrCurr1Temp0   |                            |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32                                      | tgt_CmMtrCurr_Per1_MtrCurr2Temp0   | Unset_voit_f32             |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                              | tgt_Pim_CurrTempOffset             |                            |       |
| Name                                                                                                      | Actual Value                       | Expected Value             | Resul |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value                                                      | -0.0219726563                      | -0.021972656 ± 0.00000009  | •     |
| tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value                                                      | 0.0009765625                       | 0.000976563 ± 0.0000000009 |       |



| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~        |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | ~        |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.18 (Repeat Count = 1)                                                                                                         | Innut Value                       |                           |       |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------|-------|
|                                                                                                                                           | Input Value                       |                           |       |
| Rte_Inst_Sa_CmMtrCurr                                                                                                                     | tgt_Rte_Inst_Sa_CmMtrCurr         |                           |       |
| tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value                                                                                           | 24.05693763                       |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                                                                                      | 96                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                                                                                      | 192                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                                                                                      | 288                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                                                                                      | 416                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                                                                                      | 512                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                                                                                      | 608                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                                                      | 736                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                                                                                      | 832                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                                                                                      | 928                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                                                                                      | 1056                              |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                                                                     | 1152                              |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                                                                                     | 1248                              |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                                                     | 1376                              |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                                                                     | 1472                              |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                                                     | 1568                              |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                                                                                     | 1760                              |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                                                                                        | -45                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                                                                                        | -43                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                                                                                        | -41                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                                                                                        | -39                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                                                                                        | -37                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]                                                                                        | -35                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                                                                                        | -33                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                                                                                        | -31                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                                                                                        | -29                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]                                                                                        | -27                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                                                                                       | -25                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                                                                                       | -23                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                                                                                       | -20                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                                                                                       | -18                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                                                                                       | -16                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                                                                                       | -14                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                                                                                        | -53                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                                                                                        | -53                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                                                                                        | -53                               |                           |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[3]                                                                                        | -53                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                                                                                        | -53                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                                                                                        | -53                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                                                                                        | -53                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                                                                                        | -53                               |                           |       |
| tqt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[8]                                                                                        | -53                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                                                                                        | -53                               |                           |       |
| tgt Pim CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                                                       | -53                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                                                                                       | -53                               |                           |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[12]                                                                                       | -53                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                                                                                       | -53                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                                                                                       | -53                               |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                                                                                       | -53                               |                           |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32                                                                           | tgt_CmMtrCurr_Per1_FiltCntrlTemp_ | DegC: f32                 |       |
| gt_Rte_inst_5a_CrimitiCurr.CrimitiCurr_Per1_FitiCntr1efip_begC_is2  gt_Rte_inst_5a_CrimitiCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr1Temp   |                           |       |
|                                                                                                                                           |                                   |                           |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32                                                                      | tgt_CmMtrCurr_Per1_MtrCurr2Temp   | Oliset_vult_isz           |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                                                              | tgt_Pim_CurrTempOffset            | 1                         |       |
| Name                                                                                                                                      | Actual Value                      | Expected Value            | Resul |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value                                                                                      | -0.0161132813                     | -0.016113281 ± 0.00000009 | •     |





| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~      |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | ~      |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~      |

| Test Step 2.19 (Repeat Count = 1) Name                                                                       | Innut Value                      |                                                     |       |
|--------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------|-------|
|                                                                                                              | Input Value                      |                                                     |       |
| Rte_Inst_Sa_CmMtrCurr                                                                                        | tgt_Rte_Inst_Sa_CmMtrCurr        |                                                     |       |
| tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value                                                              | 104.1973985                      |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                                                         | -928                             |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                                                         | -608                             |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                                                         | 0                                |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                                                         | 736                              |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                                                         | 1056                             |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                                                         | 1408                             |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                         | 1568                             |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                                                         | 2016                             |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                                                         | 2368                             |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                                                         | 2688                             |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                                        | 2848                             |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                                                        | 3200                             |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                        | 3936                             |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                                        | 4544                             |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                        | 4640                             |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                                                        | 4768                             |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                                                           | 1                                |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                                                           | 2                                |                                                     |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[2]                                                           | 2                                |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                                                           | 2                                |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                                                           | 2                                |                                                     |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[5]                                                           | 4                                |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                                                           | 6                                |                                                     |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[7]                                                           | 8                                |                                                     |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[8]                                                           | 10                               |                                                     |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[9]                                                           | 12                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                                                          | 14                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                                                          | 16                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                                                          | 18                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                                                          | 20                               |                                                     |       |
|                                                                                                              | 23                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                                                          |                                  |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                                                          | 25                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                                                           | 53                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                                                           | 53                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                                                           | 53                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                                                           | 53                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                                                           | 53                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                                                           | 53                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                                                           | 53                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                                                           | 53                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                                                           | 53                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                                                           | 53                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                          | 53                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                                                          | 53                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                                                          | 53                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                                                          | 53                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                                                          | 53                               |                                                     |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                                                          | 53                               |                                                     |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32                                              | tgt_CmMtrCurr_Per1_FiltCntrlTemp | _DegC_f32                                           |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32                                         | tgt_CmMtrCurr_Per1_MtrCurr1Tem   |                                                     |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32                                         | tgt CmMtrCurr Per1 MtrCurr2Tem   |                                                     |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                                 | tgt_Pim_CurrTempOffset           |                                                     |       |
| Name                                                                                                         | Actual Value                     | Expected Value                                      | Resu  |
|                                                                                                              | 0.0078125                        | 0.0078125 ± 0.000000009                             | ixesu |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value<br>tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value | 0.0078125                        | 0.0078125 ± 0.000000009<br>0.025878906 ± 0.00000009 |       |

2016-07-24, 12:34:53+0530



| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~      |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | ~      |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~      |

| Test Step 2.20 (Repeat Count = 1) Name                               | Input Value                           |                           |      |
|----------------------------------------------------------------------|---------------------------------------|---------------------------|------|
| Rte Inst Sa CmMtrCurr                                                | tgt Rte Inst Sa CmMtrCurr             |                           |      |
|                                                                      | 143.1812282                           |                           |      |
| gt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value                       |                                       |                           |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                  | 0                                     |                           |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                  | 320                                   |                           |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                  | 640                                   |                           |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                  | 960                                   |                           |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                  | 1600                                  |                           |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                  | 1280                                  |                           |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                  | 1920                                  |                           |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                  | 2240                                  |                           |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                 | 2560                                  |                           |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                 | 2880                                  |                           |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                | 3200                                  |                           |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                | 3520                                  |                           |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                | 3840                                  |                           |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                | 4160                                  |                           |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                | 4480                                  |                           |      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                | 4800                                  |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                   | -53                                   |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                   | -51                                   |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                   | -49                                   |                           |      |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[3]                   | -47                                   |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                   | -45                                   |                           |      |
| tqt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[5]                   | -43                                   |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                   | -41                                   |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                   | -39                                   |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                   | -37                                   |                           |      |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[9]                   | -35                                   |                           |      |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[10]                  | -33                                   |                           |      |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[11]                  | -31                                   |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                  | -29                                   |                           |      |
|                                                                      | -27                                   |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                  | -25                                   |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                  |                                       |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                  | -23                                   |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                   | 2                                     |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                   | 4                                     |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                   | 6                                     |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                   | 8                                     |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                   | 10                                    |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                   | 12                                    |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                   | 14                                    |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                   | 16                                    |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                   | 18                                    |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                   | 20                                    |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                  | 23                                    |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                  | 25                                    |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                  | 27                                    |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                  | 29                                    |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                  | 31                                    |                           |      |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                  | 33                                    |                           |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32      | tgt CmMtrCurr Per1 FiltCntrlTemp DegC | ; f32                     |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr1TempOffse  | _                         |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr2TempOffse  |                           |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                         | tgt Pim CurrTempOffset                |                           |      |
|                                                                      |                                       | Expected Value            | Desi |
| Name                                                                 | Actual Value                          | Expected Value            | Resu |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value                 | -0.0122070313                         | -0.012207031 ± 0.00000009 |      |
| tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value                 | 0.0151367188                          | 0.015136719 ± 0.00000009  |      |





| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~        |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | ~        |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~        |

| Test Step 2.21 (Repeat Count = 1) Name                               | Input Value                              |                        |        |
|----------------------------------------------------------------------|------------------------------------------|------------------------|--------|
|                                                                      | ·                                        |                        |        |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr<br>79.95160198 |                        |        |
| tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value                      |                                          |                        |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                 | 224                                      |                        |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                 | 544                                      |                        |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                 | 864                                      |                        |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                 | 1184                                     |                        |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                 | 1504                                     |                        |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                 | 1824                                     |                        |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                 | 2144                                     |                        |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                 | 2464                                     |                        |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                 | 2784                                     |                        |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                 | 3104                                     |                        |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                | 3424                                     |                        |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                | 3744                                     |                        |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                | 4064                                     |                        |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                | 4384                                     |                        |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                | 4480                                     |                        |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                | 4704                                     |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                   | 2                                        |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                   | 4                                        |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                   | 6                                        |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                   | 8                                        |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                   | 10                                       |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]                   | 12                                       |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                   | 14                                       |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                   | 16                                       |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                   | 18                                       |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]                   | 20                                       |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                  | 23                                       |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                  | 25                                       |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                  | 27                                       |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                  | 29                                       |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                  | 31                                       |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                  | 33                                       |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                   | 0                                        |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                   | 0                                        |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                   | 0                                        |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                   | 0                                        |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                   | 0                                        |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                   | 0                                        |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                   | 0                                        |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                   | 0                                        |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                   | 0                                        |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                   | 0                                        |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                  | 0                                        |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                  | 0                                        |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                  | 0                                        |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                  | 0                                        |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                  | 0                                        |                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                  | 0                                        |                        |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32      | tgt CmMtrCurr Per1 FiltCntrlTemp D       | DegC f32               |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr1TempC         | · -                    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr2TempC         |                        |        |
| tgt Rte Inst Sa CmMtrCurr.Pim CurrTempOffset                         | tgt_Pim_CurrTempOffset                   |                        |        |
| Name                                                                 | Actual Value                             | Expected Value         | Resul  |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value                 | 0.0078125                                | 0.0078125 ± 0.00000009 | ixesui |
| tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value                 | 0.0078125                                | 0.0078123 ± 0.00000009 |        |

2016-07-24, 12:34:53+0530





| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~      |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | ~      |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~      |

| Test Step 2.22 (Repeat Count = 1) Name                               | Innut Value                         |                           |       |
|----------------------------------------------------------------------|-------------------------------------|---------------------------|-------|
|                                                                      | Input Value                         |                           |       |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr           |                           |       |
| tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value                      | 45.66239232                         |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                 | 32                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                 | 352                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                 | 672                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                 | 992                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                 | 1312                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                 | 1632                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                 | 1952                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                 | 2272                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                 | 2592                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                 | 2912                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                | 3232                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                | 3552                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                | 3872                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                | 4192                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                | 4512                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                | 4768                                |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                   | 2                                   |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                   | 4                                   |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                   | 6                                   |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                   | 8                                   |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                   | 10                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]                   | 12                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                   | 14                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                   | 16                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                   | 18                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]                   | 20                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                  | 23                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                  | 25                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                  | 27                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                  | 29                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                  | 31                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                  | 33                                  |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                   | -45                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                   | -43                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                   | -41                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                   | -39                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                   | -37                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                   | -35                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                   | -33                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                   | -31                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                   | -29                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                   | -27                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                  | -25                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                  | -23                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                  | -20                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                  | -18                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                  | -16                                 |                           |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                  | -14                                 |                           |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32      | tgt_CmMtrCurr_Per1_FiltCntrlTemp_De | egC_f32                   |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr1TempOf   | ffset_Volt_f32            |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32 | tgt_CmMtrCurr_Per1_MtrCurr2TempOf   | ffset_Volt_f32            |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                         | tgt_Pim_CurrTempOffset              |                           |       |
| Name                                                                 | Actual Value                        | Expected Value            | Resul |
| tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value                 | 0.0048828125                        | 0.004882813 ± 0.000000009 |       |
| tgt CmMtrCurr Per1 MtrCurr2TempOffset Volt f32.value                 | -0.0180664063                       | -0.018066406 ± 0.00000009 |       |

CmMtrCurr\_Per1

2016-07-24, 12:34:53+0530



| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached | 1     | ~        |
| IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | IntplVarXY_s16_s16Xs16Y_Cnt                   | 2     | ~        |
| Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached | 1     | ~        |

2016-07-24, 12:52:46+0530



CurrDQPer1

Project CmMtrCurr1

Module CmMtrCurr\_MTRCURRPHASEAC\_ON

Test Object CurrDQPer1

### Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|-------------------------|-------|
| Decision Coverage       | 100 % |
| Branch (C1) Coverage    | 100 % |
| MCC Coverage            | 100 % |
| MC/DC Coverage          | 100 % |

### **Statistics**

| Total Testcases | 3 |          |
|-----------------|---|----------|
| Successful      | 3 | <b>~</b> |
| Failed          | 0 |          |
| Not Executed    | 0 |          |

### **Module Properties**

| Project Root Directory | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP                                                                                                                                                                                                                                              |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Configuration File     | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config<br>\TMS570_GCC_UDE_CCS4_Config.xml                                                                                                                                                                                        |
| Target Environment     | TI TMS 570 PLS UDE (Default)                                                                                                                                                                                                                                                                  |
| Kind of Test           | Unit Test                                                                                                                                                                                                                                                                                     |
| Linker Options         |                                                                                                                                                                                                                                                                                               |
| Source File(s)         |                                                                                                                                                                                                                                                                                               |
| File                   | \$(PROJECTROOT)\CmMtrCurr\src\Sa_CmMtrCurr.c                                                                                                                                                                                                                                                  |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -l\$(PROJECTROOT)\CmMtrCurr\utp\contract -l\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -l\$(PROJECTROOT)\CmMtrCurr\include -l\$(PROJECTROOT)\NxtrLib\include -l\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include |
| File                   | \$(PROJECTROOT)\NxtrLib\src\interpolation.c                                                                                                                                                                                                                                                   |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include |

| Comments/Description/Spe | ecification |
|--------------------------|-------------|
| Name                     | Text        |





Module 'CmMtrCurr MTRCURRPHASEAC ON 

Name of Tester:Chandrakanth Sheegi Code File(s) Under Test:Sa\_CmMtrCurr.c Code File(s) Version:2

Code File(s) Version:2
Module Design Document: CmMtrCurr\_MDD.docx
Module Design Document Version:2
Data Dictionary Version:2
Unit Test Plan Version:2
Optimization Level: Level 2
Compiler (CodeGen) Version: TMS470\_4.9.5
Model Type: Excel Macro
Model Version: Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.32
Total FLASH Used (Bytes):3176
Total RAM Used (Bytes):130
Total CALS Used (Bytes):46
Special Test Requirements: NA
Test Date: 7/23/2016

Test Date:7/23/2016
Comments:
"Note1: Inline functions defined in globalmacro.h are not unit tested.

Note2:- ""CBD\_Sandbox\_dbg.map"" map file is embedded for reference.

Note3:-In function ""CmMtrCurr\_Per3"" some variables are going out of range for some vectors,accepted by devloper variables are :MtrCurr2SumHi\_Volt\_M\_f32 , VecuSum\_Volt\_M\_f32 , MtrCurr1SumLo\_Volt\_M\_f32, MtrCurr2SumLo\_Volt\_M\_f32,
MtrCurr1SumZero\_Volt\_M\_f32,MtrCurr2SumZero\_Volt\_M\_f32, CmMtrCurr\_CurrOffAvgCounter\_Cnt\_M\_u16 .

Note4:-In function CurrDQPer1(), variables 'MtrCurrK1\_Amps\_f32' and 'MtrCurrK2\_Amps\_f32' are going to very large values."

| Attributes            |                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------|
| Name                  | Value                                                                                    |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5                     |
| Float Precision       | 9                                                                                        |
| InitObjDir            | \$(PROJECTROOT)\UnitTestEnv\static_build_files\obj                                       |
| InitSrcDir            | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                                       |
| Linker File           | \$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd                              |
| Makefile Template     | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_Ps.tpl                  |
| Target Install Path   | \$(ProgramFiles)\pls\UDE 4.4                                                             |
| Time Unit             | cycles                                                                                   |
| Timer Enabled         | false                                                                                    |
| Timer Prescale        | 0                                                                                        |
| Timer Resolution      | 1                                                                                        |
| UDE Config File       | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                             |
| Workspace File        | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |



### **Test Case 1: Metrics Test**

Specification

Performance Metrics : [With "None" Instrumentation and WithPS Environment]

TC1.1 1002 Cycles TC1.2 952 Cycles

#### Description

#### Vector Description :

TC1.1 Shortest Path ==> ( ElecPosDelayComp\_Rad\_T\_f32 < 0.0f )==>False && (Phs1Curr\_Cnt\_T\_u16 > D\_ZERO\_CNT\_U16)==>True && (Phs2Curr\_Cnt\_T\_u16 > D\_ZERO\_CNT\_U16)==>True && (MtrElecPol\_Cnt\_T\_s08 == D\_POSITIVEONE\_CNT\_S8 )==>True && MtrCurrFinalDax\_Amps\_T\_f32 = Limit\_m(MtrCurrDax\_Amps\_T\_f32, -D\_CURRDQMAX\_AMP\_F32, D\_CURRDQMAX\_AMP\_F32)==>True && MtrCurrFinalQax\_Amps\_T\_f32 = Limit\_m(MtrCurrQax\_Amps\_T\_f32, -D\_CURRDQMAX\_AMP\_F32, D\_CURRDQMAX\_AMP\_F32)==>True && MtrCurrPinalQax\_Amps\_T\_f32 = Limit\_m(MtrCurrQax\_Amps\_T\_f32, -D\_CURRDQMAX\_AMP\_F32, D\_CURRDQMAX\_AMP\_F32)==>True && (Phs2Curr\_Cnt\_T\_u16 > D\_ZERO\_CNT\_U16)==>True && (MtrElecPol\_Cnt\_T\_s08 == D\_POSITIVEONE\_CNT\_S8)==>True && MtrCurrPinalDax\_Amps\_T\_f32 = Limit\_m(MtrCurrDax\_Amps\_T\_f32, -D\_CURRDQMAX\_AMP\_F32, D\_CURRDQMAX\_AMP\_F32)==>True && MtrCurrPinalQax\_Amps\_T\_f32 = Limit\_m(MtrCurrQax\_Amps\_T\_f32, -D\_CURRDQMAX\_AMP\_F32, D\_CURRDQMAX\_AMP\_F32)==>True && MtrCurrPinalQax\_Amps\_T\_f32 = Limit\_MtrCurrQax\_Amps\_T\_f32 = Limit\_MtrCurrQax\_Amps\_T\_f32 = Limit\_MtrCurrQax\_Amps\_T\_f32 = Limit\_MtrCurr

| Test Step 1.1 (Repeat Count = 1) Name           | Innut Value                      |      |
|-------------------------------------------------|----------------------------------|------|
|                                                 | Input Value                      |      |
| Add2_GetPhsBCurr_Cnt_u16_m                      | 1342                             |      |
| Adc2_GetPhsCCurr_Cnt_u16_m                      | 325                              |      |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                   | 6912                             |      |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16            | 1                                |      |
| CDD_CDDDataAccessBfr_Cnt_G_u16                  | 1                                |      |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0480000004                     |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0122304                        |      |
| CDD_DCPhsBComp_Cnt_G_u16p0                      | 3070                             |      |
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 3444                             |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | -44.2000008                      |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 87.1999969                       |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | 0.019999996                      |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | 0.0209999997                     |      |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.01172078                       |      |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.0117209                        |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | 0.019999996                      |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | 0.0209999997                     |      |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.01172078                       |      |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 2.0117209                        |      |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -180.011719                      |      |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 125.011719                       |      |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 2.0117209                        |      |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 6.01172066                       |      |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -180.011719                      |      |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 125.011719                       |      |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -120.011719                      |      |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 25.0117207                       |      |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                                |      |
| CDD_Vecu_Volt_G_f32[0]                          | 25.6800003                       |      |
| CDD_Vecu_Volt_G_f32[1]                          | 24.399996                        |      |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 5.50000004e-005                  |      |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 3.7000016e-005                   |      |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 11731                            |      |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr        |      |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 760                              |      |
| k_MtrPosComputDelay_Sec_f32                     | 6.0999988e-005                   |      |
|                                                 | 2.25                             |      |
| k_NoofPoles_Uls_f32                             |                                  |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 1.10000002                       |      |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 105.199997                       |      |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 89.1999969                       |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.37899995                       |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal                |      |
| Name                                            | Actual Value Expected Value      | Resu |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0480000004                     |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0966186523                     | 5    |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.00598409958 ± 0.00001525878906 |      |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.01172078 1.01172078 ± 32       |      |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.60561669 1.60561669 ± 32       |      |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.01172078 0 ± 32                |      |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.363858372                      |      |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -180.011719 -180.011719 ± 0.03   |      |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 220 ± 0.03                       |      |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 2.0117209 2.0117209 ± 32         |      |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 695.588745 695.588684 ± 32       |      |

CurrDQPer1





| Name                        | Actual Value | Expected Value     | Result   |
|-----------------------------|--------------|--------------------|----------|
| CDD_MtrCurrK2_Amps_G_f32[0] | -180.011719  | -180.011719 ± 32   | ~        |
| CDD_MtrCurrK2_Amps_G_f32[1] | -22.9245033  | -22.9245033 ± 32   | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0] | -120.011719  | -120.011719 ± 0.03 | ~        |
| CDD MtrCurrQax Amp G f32[1] | 220          | 220 ± 0.03         | <b>✓</b> |

| Test Step 1.2 (Repeat Count = 1)                |                           |                                  | <b>~</b> |
|-------------------------------------------------|---------------------------|----------------------------------|----------|
| Name                                            | Input Value               |                                  |          |
| Adc2_GetPhsBCurr_Cnt_u16_m                      | 4095                      |                                  |          |
| Adc2_GetPhsCCurr_Cnt_u16_m                      | 4095                      |                                  |          |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                   | 65280                     |                                  |          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16            | 1                         |                                  |          |
| CDD_CDDDataAccessBfr_Cnt_G_u16                  | 1                         |                                  |          |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.999984741               |                                  |          |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.999984741               |                                  |          |
| CDD_DCPhsBComp_Cnt_G_u16p0                      | 7150                      |                                  |          |
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 7150                      |                                  |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | 1118                      |                                  |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 1118                      |                                  |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | 0.0260000005              |                                  |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | 0.0260000005              |                                  |          |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 5                         |                                  |          |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 5                         |                                  |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | 0.0260000005              |                                  |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | 0.0260000005              |                                  |          |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 5                         |                                  |          |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 5                         |                                  |          |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | 220                       |                                  |          |
| CDD MtrCurrDax Amp G f32[1]                     | 220                       |                                  |          |
|                                                 | 220                       |                                  |          |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 220                       |                                  |          |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 220                       |                                  |          |
| CDD_MtrCurrK2_Amps_G_f32[0]                     |                           |                                  |          |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 220                       |                                  |          |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | 220                       |                                  |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 220                       |                                  |          |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                  |          |
| CDD_Vecu_Volt_G_f32[0]                          | 31                        |                                  |          |
| CDD_Vecu_Volt_G_f32[1]                          | 31                        |                                  |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 0.000171428997            |                                  |          |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 0.000171428997            |                                  |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 65535                     |                                  |          |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                  |          |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 1500                      |                                  |          |
| k_MtrPosComputDelay_Sec_f32                     | 0.00019999995             |                                  |          |
| k_NoofPoles_Uls_f32                             | 4.35599995                |                                  |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 3                         |                                  |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 125                       |                                  |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 125                       |                                  |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 3                         |                                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                  |          |
| Name                                            | Actual Value              | Expected Value                   | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.999984741               | 0.999984741 ± 0.0000152587890625 | •        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.994171143               | 0.994171143 ± 0.0000152587890625 |          |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.487000763               | 0.487000793 ± 0.0000152587890625 | •        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 5                         | 5 ± 32                           | •        |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 4.68864489                | 4.68864489 ± 32                  | •        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 5                         | 5 ± 32                           |          |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 4.68864489                | 4.68864489 ± 32                  | ٠,       |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | 220                       | 220 ± 0.03                       |          |
| CDD MtrCurrDax Amp G f32[1]                     | 220                       | 220 ± 0.03                       |          |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 220                       | 220 ± 32                         |          |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 7090.78613                | 7090.78564 ± 32                  |          |
| CDD MtrCurrK2 Amps G f32[0]                     | 220                       | 220 ± 32                         |          |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 0                         | 0 ± 32                           |          |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | 220                       | 220 ± 0.03                       |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | -220                      | -220 ± 0.03                      |          |
| ODD_MILOUITAN_VIIIh_O_102[1]                    | -220                      | -220 ± 0.00                      |          |

CurrDQPer1

2016-07-24, 12:52:46+0530



Test Case 2: Range Test

#### 2016-07-24, 12:52:46+0530



### CurrDQPer1 Specification

Performance Metrics : [With "None" Instrumentation and WithPS Environment]

CPU Cycles:

951 Cycles 1000 Cycles 934 Cycles 961 Cycles 961 Cycles 951 Cycles 916 Cycles 916 Cycles 916 Cycles 917 Cycles TC2.1 TC2.2 TC2.3 TC2.4 TC2.5 TC2.6 TC2.7 TC2.8 TC2.9 916 Cycles 931 Cycles 916 Cycles 916 Cycles 916 Cycles 916 Cycles 916 Cycles 916 Cycles 959 Cycles 916 Cycles 916 Cycles TC2.10 TC2.11 TC2.12 TC2.13 TC2.14 TC2.15 TC2.16 TC2.17 TC2.18 TC2.19 TC2.20 916 Cycles 916 Cycles 906 Cycles 906 Cycles 922 Cycles 939 Cycles 931 Cycles 942 Cycles 942 Cycles 942 Cycles 954 Cycles 906 Cycles 906 Cycles 907 Cycles 908 Cycles 909 Cycles 909 Cycles 909 Cycles 909 Cycles 901 Cycles 902 Cycles 903 Cycles 903 Cycles 905 Cycles 907 Cycles 908 Cycles 909 Cycles 901 Cycles 902 Cycles 903 Cycles 903 Cycles 905 Cycles 907 Cycles 908 Cycles TC2.21 TC2.22 TC2.23 TC2.24 TC2.24 TC2.25 TC2.26 TC2.27 TC2.28 TC2.29 TC2.30 TC2.31 TC2.32 TC2.33 TC2.34 TC2.35 TC2.36 TC2.36 TC2.37 TC2.38 TC2.39 TC2.40 TC2.41 TC2.42 TC2.43 TC2.44 931 Cycles 925 Cycles 925 Cycles 922 Cycles 922 Cycles 922 Cycles 922 Cycles 916 Cycles 916 Cycles 916 Cycles 917 Cycles 917 Cycles 941 Cycles 941 Cycles 941 Cycles 942 Cycles 943 Cycles 944 Cycles 945 Cycles 946 Cycles 947 Cycles 948 Cycles 949 Cycles 949 Cycles 940 Cycles 941 Cycles 941 Cycles 942 Cycles 943 Cycles 944 Cycles 945 Cycles 946 Cycles 957 Cycles 958 Cycles 958 Cycles 958 Cycles 959 Cycles 959 Cycles 959 Cycles 950 Cycles 951 Cycles 951 Cycles 952 Cycles 953 Cycles 953 Cycles 953 Cycles 955 Cycles 957 Cycles TC2.45 TC2.46 TC2.47 TC2.48 TC2.49 TC2.50 TC2.51 TC2.53 TC2.54 TC2.55 TC2.56 TC2.57 TC2.58 TC2.59 TC2.60 TC2.61 TC2.62 TC2.63 TC2.64 TC2.65 TC2.65 TC2.66 TC2.68 TC2.69 TC2.70 TC2.71 TC2.72 TC2.73 TC2.73 TC2.74 TC2.76 930 Cycles





#### **Description** Vector Description :

```
TS2.1All Min
 TS2.2All Max
 TS2.3k_MtrPosComputDelay_Sec_f32=Min
IS2.3K_MtrPosComputDelay_Sec_f32=Min
TS2.4k_MtrPosComputDelay_Sec_f32=Max
TS2.5k_MtrPosComputDelay_Sec_f32=Pos/Default
TS2.6Rte_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32=Min
TS2.7Rte_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32=Max
TS2.8Rte_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32=Pos
TS2.8Rte_Pim_ShCurrCal.EOLMtrCurr10ftsetLo_Volts_f32=Pos TS2.9Rte_Pim_ShCurrCal.EOLMtrCurr20ffsetLo_Volts_f32=Min TS2.10Rte_Pim_ShCurrCal.EOLMtrCurr20ffsetLo_Volts_f32=Max TS2.11Rte_Pim_ShCurrCal.EOLMtrCurr20ffsetLo_Volts_f32=Pos TS2.12Rte_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32=Min TS2.13Rte_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32=Max TS2.14Rte_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32=Min TS2.16Rte_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32=Max TS2.17Rte_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32=Max TS2.17Rte_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32=Pos TS2.18CDD_MEFMtrVel_MtrRadpS_G_f32f2=Min
IS2.17kte Pim_ShCurrCal.EOLPhscurrZGain_AmpspVolt
TS2.18CDD_MRFMtrVel_MtrRadpS_G_f32[2]=Min
TS2.19CDD_MRFMtrVel_MtrRadpS_G_f32[2]=Max
TS2.20CDD_MRFMtrVel_MtrRadpS_G_f32[2]=Zero
TS2.21CDD_MRFMtrVel_MtrRadpS_G_f32[2]=Pos
TS2.22CDD_MRFMtrVel_MtrRadpS_G_f32[2]=Pos
TS2.22CDD_MRFMtrVel_MtrRadpS_G_f32[2]=Neg
TS2.23CDD_AppDataFwdPthAccessBfr_Cnt_G_u16=Min
TS2.24CDD_AppDataFwdPthAccessBfr_Cnt_G_u16=Max
 TS2.25CDD_AppDataFwdPthAccessBfr_Cnt_G_u16=Pos TS2.26CDD_Vecu_Volt_G_f32[2]=Min TS2.27CDD_Vecu_Volt_G_f32[2]=Max
TS2.28CDD_Vecu_Volt_G_f32[2]=Pos
TS2.28CDD_Vecu_Volt_G_f32[2]=Pos
TS2.29Adc2_GetPhsBCurr_Cnt_u16_m=Min
TS2.30Adc2_GetPhsBCurr_Cnt_u16_m=Pos
TS2.31Adc2_GetPhsBCurr_Cnt_u16_m=Pos
 TS2.32Adc2_GetPhsCCurr_Cnt_u16_m=Min
TS2.33Adc2_GetPhsCCurr_Cnt_u16_m=Max
TS2.34Adc2_GetPhsCCurr_Cnt_u16_m=Pos
 TS2.35CDD_MtrCurr1TempOffset_Volt_G_f32[2]=Min TS2.36CDD_MtrCurr1TempOffset_Volt_G_f32[2]=Max TS2.37CDD_MtrCurr1TempOffset_Volt_G_f32[2]=Zero
 TS2.38CDD_MtrCurr1TempOffset_Volt_G_f32[2]=Pos
TS2.39CDD_MtrCurr1TempOffset_Volt_G_f32[2]=Neg
TS2.40CDD_MtrCurr2TempOffset_Volt_G_f32[2]=Min
 TS2.41CDD_MtrCurr2TempOffset_Volt_G_f32[2]=Max TS2.42CDD_MtrCurr2TempOffset_Volt_G_f32[2]=Zero TS2.43CDD_MtrCurr2TempOffset_Volt_G_f32[2]=Pos
 TS2.44CDD_MtrCurr2TempOffset_Volt_G_f32[2]=Neg
 TS2.45CDD_MtrElecPol_Cnt_G_s8=Min
TS2.46CDD_MtrElecPol_Cnt_G_s8=Max
 TS2.47MtrPos_CorrectedMtrPos_Rev_G_u0p16=Min
TS2.48MtrPos_CorrectedMtrPos_Rev_G_u0p16=Max
TS2.49MtrPos_CorrectedMtrPos_Rev_G_u0p16=Pos
TS2.59MtrCurr1OffDelta_VoltpVoltCnts_M_f32=Min
TS2.51MtrCurr1OffDelta_VoltpVoltCnts_M_f32=Min
TS2.52MtrCurr1OffDelta_VoltpVoltCnts_M_f32=Pos
TS2.52MtrCurr2OffDelta_VoltpVoltCnts_M_f32=Min
TS2.53MitrCurr2OffDelta_VoltpVoltCnts_M_52=Max
TS2.55MtrCurr2OffDelta_VoltpVoltCnts_M_52=Max
TS2.55MtrCurr2OffDelta_VoltpVoltCnts_M_632=Pos
TS2.56CDD_CDDDataAccessBfr_Cnt_G_u16=Min
TS2.57CDD_CDDDataAccessBfr_Cnt_G_u16=Max
 TS2.58CDD_CDDDataAccessBfr_Cnt_G_u16=Pos
TS2.59CDD_DCPhsAComp_Cnt_G_u16p0==>Min
TS2.60CDD_DCPhsAComp_Cnt_G_u16p0==>Max
 TS2.61CDD_DCPhsAComp_Cnt_G_u16p0==>Pos
TS2.62CDD_DCPhsBComp_Cnt_G_u16p0
TS2.63CDD_DCPhsBComp_Cnt_G_u16p0
TS2.64CDD_DCPhsBComp_Cnt_G_u16p0
TS2.64CDD_DCPhsBComp_Cnt_G_u16p0
TS2.65CDD_DCPhsCComp_Cnt_G_u16p0
TS2.66CDD_DCPhsCComp_Cnt_G_u16p0
TS2.67CDD_DCPhsCComp_Cnt_G_u16p0
TS2.68k_MtrCurrOffLoComOff_Cnt_u16==>Min/Default
TS2.69k_MtrCurrOffLoComOff_Cnt_u16==>Max
 TS2.70k_MtrCurrOffLoComOff_Cnt_u16==>Pos
TS2.71CDD_ADC2OffsetComp_Cnt_G_u8p8==>Min
TS2.72CDD_ADC2OffsetComp_Cnt_G_u8p8==>Max
 TS2.73CDD_ADC2OffsetComp_Cnt_G_u8p8==>Pos
TS2.74k_NoofPoles_Uls_f32==>Min
TS2.75k_MtrCurrOffLoComOff_Cnt_u16==>Max/Default
  TS2.76k_MtrCurrOffLoComOff_Cnt_u16==>Pos
```

| Test Step 2.1 (Repeat Count = 1)     |             |
|--------------------------------------|-------------|
| Name                                 | Input Value |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 0           |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 0           |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 0           |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 0           |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 0           |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0           |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0           |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 0           |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 0           |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | -1118       |

CurrDQPer1

2016-07-24, 12:52:46+0530



Input Value CDD\_MRFMtrVel\_MtrRadpS\_G\_f32[1] -1118 CDD\_MtrCurr1TempOffset\_Volt\_G\_f32[0] -0.0260000005 CDD MtrCurr1TempOffset\_Volt\_G\_f32[1] -0.0260000005 CDD\_MtrCurr1\_Volts\_G\_f32[0] CDD\_MtrCurr1\_Volts\_G\_f32[1] -0.0260000005 CDD\_MtrCurr2TempOffset\_Volt\_G\_f32[0] CDD\_MtrCurr2TempOffset\_Volt\_G\_f32[1] -0.0260000005 CDD\_MtrCurr2\_Volts\_G\_f32[0] 0 CDD\_MtrCurr2\_Volts\_G\_f32[1] -220 CDD\_MtrCurrDax\_Amp\_G\_f32[0] CDD\_MtrCurrDax\_Amp\_G\_f32[1] -220 CDD\_MtrCurrK1\_Amps\_G\_f32[0] -220 CDD\_MtrCurrK1\_Amps\_G\_f32[1] -220 CDD\_MtrCurrK2\_Amps\_G\_f32[0] -220 CDD\_MtrCurrK2\_Amps\_G\_f32[1] -220 CDD\_MtrCurrQax\_Amp\_G\_f32[0] -220 CDD\_MtrCurrQax\_Amp\_G\_f32[1] -220 CDD\_MtrElecPol\_Cnt\_G\_s8 -1 CDD\_Vecu\_Volt\_G\_f32[0] 5 CDD\_Vecu\_Volt\_G\_f32[1] 5  $CmMtrCurr\_MtrCurr1OffDelta\_VoltpVoltCnt\_M\_f32$ 0 CmMtrCurr\_MtrCurr2OffDelta\_VoltpVoltCnt\_M\_f32 0 MtrPos\_CorrectedMtrPos\_Rev\_G\_u0p16 Rte\_Inst\_Sa\_CmMtrCurr tgt\_Rte\_Inst\_Sa\_CmMtrCuri k MtrCurrOffLoComOff\_Cnt\_u16 500 k\_MtrPosComputDelay\_Sec\_f32 2.49999994e-005 k NoofPoles Uls f32 2 tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32 1 tgt Pim ShCurrCal.EOLPhscurr1Gain AmpspVolt f32 20  $tgt\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32$ 20 tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32 tgt\_Pim\_ShCurrCal  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_ShCurrCal$ Actual Value Name **Expected Value** Result 0.0788726807 ± 0.0000152587890625 CDD CorrMtrPosElec Rev G f32[0] 0.0788726807 CDD\_CorrMtrPosElec\_Rev\_G\_f32[1] 0 0 ± 0.0000152587890625 CDD\_ElecPosDelayComp\_Rad\_G\_f32 -0.02795 -0.02795 ± 0.0000152587890625 CDD\_MtrCurr1\_Volts\_G\_f32[0] 0  $0 \pm 32$ CDD\_MtrCurr1\_Volts\_G\_f32[1] 0 0 ± 32 CDD\_MtrCurr2\_Volts\_G\_f32[0] 0  $0 \pm 32$ CDD\_MtrCurr2\_Volts\_G\_f32[1] 0 ± 32 CDD\_MtrCurrDax\_Amp\_G\_f32[0] 34.272995 ± 0.03 34.2729912 CDD\_MtrCurrDax\_Amp\_G\_f32[1] -220 -220 ± 0.03 CDD\_MtrCurrK1\_Amps\_G\_f32[0] 38.9599991 38.9599991 ± 32 CDD\_MtrCurrK1\_Amps\_G\_f32[1] -220 -220 ± 32 CDD\_MtrCurrK2\_Amps\_G\_f32[0] 0 ± 32 0 -220 ± 32 CDD\_MtrCurrK2\_Amps\_G\_f32[1] -220 CDD\_MtrCurrQax\_Amp\_G\_f32[0] 18.5268288 18.5268288 ± 0.03

| Name                                 | Input Value  |  |
|--------------------------------------|--------------|--|
| Adc2_GetPhsBCurr_Cnt_u16_m           | 4095         |  |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 4095         |  |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 65280        |  |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 1            |  |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 1            |  |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.999984741  |  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.999984741  |  |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 7150         |  |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 7150         |  |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | 1118         |  |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | 1118         |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] | 0.0260000005 |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1] | 0.0260000005 |  |
| CDD_MtrCurr1_Volts_G_f32[0]          | 5            |  |
| CDD_MtrCurr1_Volts_G_f32[1]          | 5            |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0] | 0.0260000005 |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1] | 0.0260000005 |  |
| CDD_MtrCurr2_Volts_G_f32[0]          | 5            |  |
| CDD_MtrCurr2_Volts_G_f32[1]          | 5            |  |
| CDD_MtrCurrDax_Amp_G_f32[0]          | 220          |  |

-220

 $-220 \pm 0.03$ 

CDD\_MtrCurrQax\_Amp\_G\_f32[1]





| Name                                            | Input Value               |                                   |        |
|-------------------------------------------------|---------------------------|-----------------------------------|--------|
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 220                       |                                   |        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 220                       |                                   |        |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 220                       |                                   |        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | 220                       |                                   |        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 220                       |                                   |        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | 220                       |                                   |        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 220                       |                                   |        |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                   |        |
| CDD_Vecu_Volt_G_f32[0]                          | 31                        |                                   |        |
| CDD_Vecu_Volt_G_f32[1]                          | 31                        |                                   |        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 0.000171428997            |                                   |        |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 0.000171428997            |                                   |        |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 65535                     |                                   |        |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                   |        |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 1500                      |                                   |        |
| k_MtrPosComputDelay_Sec_f32                     | 0.000199999995            |                                   |        |
| k_NoofPoles_Uls_f32                             | 6                         |                                   |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 3                         |                                   |        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 125                       |                                   |        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 125                       |                                   |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 3                         |                                   |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                   |        |
| Name                                            | Actual Value              | Expected Value                    | Result |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.999984741               | 0.999984741 ± 0.0000152587890625  | ~      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0234222412              | 0.0234222412 ± 0.0000152587890625 | ~      |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.670799971               | 0.670799971 ± 0.0000152587890625  | ~      |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 5                         | 5 ± 32                            | ~      |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 4.68864489                | 4.68864489 ± 32                   | ~      |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 5                         | 5 ± 32                            | ~      |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 4.68864489                | 4.68864489 ± 32                   | ~      |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | 220                       | 220 ± 0.03                        | ~      |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 220                       | 220 ± 0.03                        | ~      |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 220                       | 220 ± 32                          | ~      |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 7090.78613                | 7090.78564 ± 32                   | ~      |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | 220                       | 220 ± 32                          | ~      |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 0                         | 0 ± 32                            | ~      |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | 220                       | 220 ± 0.03                        | ~      |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 220                       | 220 ± 0.03                        | ~      |

| Test Step 2.3 (Repeat Count = 1)     | <b>▼</b>       |
|--------------------------------------|----------------|
| Name                                 | Input Value    |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 609            |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 446            |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 2048           |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 0              |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 0              |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.00300000003  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.0007644      |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 0              |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 0              |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | 122.074997     |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | 143.074997     |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] | -0.0250000004  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1] | -0.0240000002  |
| CDD_MtrCurr1_Volts_G_f32[0]          | 2.00025487     |
| CDD_MtrCurr1_Volts_G_f32[1]          | 1.00025475     |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0] | -0.0099999978  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1] | -0.00899999961 |
| CDD_MtrCurr2_Volts_G_f32[0]          | 2.00015473     |
| CDD_MtrCurr2_Volts_G_f32[1]          | 2.00025487     |
| CDD_MtrCurrDax_Amp_G_f32[0]          | -120.000252    |
| CDD_MtrCurrDax_Amp_G_f32[1]          | 25.0002556     |
| CDD_MtrCurrK1_Amps_G_f32[0]          | -200.000259    |
| CDD_MtrCurrK1_Amps_G_f32[1]          | 198.000259     |
| CDD_MtrCurrK2_Amps_G_f32[0]          | -120.000252    |
| CDD_MtrCurrK2_Amps_G_f32[1]          | 25.0002556     |
| CDD_MtrCurrQax_Amp_G_f32[0]          | -140.000259    |
| CDD_MtrCurrQax_Amp_G_f32[1]          | 63.0002556     |
| CDD_MtrElecPol_Cnt_G_s8              | 1              |
| CDD_Vecu_Volt_G_f32[0]               | 7.23000002     |
| CDD_Vecu_Volt_G_f32[1]               | 6.48999977     |

CurrDQPer1

2016-07-24, 12:52:46+0530



Input Value CmMtrCurr\_MtrCurr1OffDelta\_VoltpVoltCnt\_M\_f32  $CmMtrCurr\_MtrCurr2OffDelta\_VoltpVoltCnt\_M\_f32$ 5.50000004e-005 MtrPos\_CorrectedMtrPos\_Rev\_G\_u0p16 Rte\_Inst\_Sa\_CmMtrCurr tgt\_Rte\_Inst\_Sa\_CmMtrCurr k MtrCurrOffLoComOff Cnt u16 550 k\_MtrPosComputDelay\_Sec\_f32 2.49999994e-005 k\_NoofPoles\_Uls\_f32 2.70328236  $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32$ 2.70000005 tgt\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32 59.0750008  $tgt\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32$ 73.0749969 tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32 2.24000001  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_ShCurrCal$ tgt\_Pim\_ShCurrCal **Expected Value** Name **Actual Value** Result CDD\_CorrMtrPosElec\_Rev\_G\_f32[0] 0.99432373  $0.99432373 \pm 0.0000152587890625$ CDD\_CorrMtrPosElec\_Rev\_G\_f32[1] 0.0007644 0.0007644 + 0.0000152587890625 CDD\_ElecPosDelayComp\_Rad\_G\_f32 0.00412503956 0.00412503956 ± 0.0000152587890625 CDD\_MtrCurr1\_Volts\_G\_f32[0] 0.73382175 0.73382175 ± 32 CDD\_MtrCurr1\_Volts\_G\_f32[1] 1.00025475 1.00025475 ± 32 CDD\_MtrCurr2\_Volts\_G\_f32[0] 0.534798563 0.534798563 ± 32 ソソソソソソ CDD\_MtrCurr2\_Volts\_G\_f32[1] 2.00025487  $2.00025487 \pm 32$ CDD\_MtrCurrDax\_Amp\_G\_f32[0] 220 220 ± 0.03  $CDD\_MtrCurrDax\_Amp\_G\_f32[1]$ 25.0002556 25.0002556 ± 0.03 CDD\_MtrCurrK1\_Amps\_G\_f32[0] 222.569885 ± 32 222.569885 CDD\_MtrCurrK1\_Amps\_G\_f32[1] 198.000259  $198.000259 \pm 32$ CDD\_MtrCurrK2\_Amps\_G\_f32[0] 3.91461754 3.91461301 ± 32 25.0002556 CDD\_MtrCurrK2\_Amps\_G\_f32[1] 25.0002556 ± 32 CDD\_MtrCurrQax\_Amp\_G\_f32[0] -11.8483696 -11.8483648 ± 0.03 CDD\_MtrCurrQax\_Amp\_G\_f32[1] 63.0002556 63.0002556 ± 0.03

| Name                                           | Input Value               |  |
|------------------------------------------------|---------------------------|--|
| Adc2_GetPhsBCurr_Cnt_u16_m                     | 625                       |  |
| Adc2_GetPhsCCurr_Cnt_u16_m                     | 458                       |  |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                  | 4096                      |  |
| CDD AppDataFwdPthAccessBfr Cnt G u16           | 1                         |  |
| CDD_CDDDataAccessBfr_Cnt_G_u16                 | 1                         |  |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                | 0.0040000019              |  |
| CDD CorrMtrPosElec Rev G f32[1]                | 0.00101919996             |  |
| CDD DCPhsBComp Cnt G u16p0                     | 7150                      |  |
| CDD DCPhsCComp Cnt G u16p0                     | 7150                      |  |
| CDD MRFMtrVel MtrRadpS G f32[0]                | 120.099998                |  |
| CDD MRFMtrVel MtrRadpS G f32[1]                | 141.100006                |  |
| CDD MtrCurr1TempOffset Volt G f32[0]           | -0.0240000002             |  |
| CDD MtrCurr1TempOffset Volt G f32[1]           | -0.023                    |  |
| CDD MtrCurr1 Volts G f32[0]                    | 2.0005095                 |  |
| CDD MtrCurr1 Volts G f32[1]                    | 4.00050974                |  |
| CDD MtrCurr2TempOffset Volt G f32[0]           | -0.00899999961            |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]           | -0.00809090000038         |  |
| CDD MtrCurr2 Volts G f32[0]                    | 2.0005095                 |  |
| CDD MtrCurr2 Volts G f32[1]                    | 4.00050974                |  |
|                                                | -200.000504               |  |
| CDD_MtrCurrDax_Amp_G_f32[0]                    | 198.000504                |  |
| CDD_MtrCurrDax_Amp_G_f32[1]                    |                           |  |
| CDD_MtrCurrK1_Amps_G_f32[0]                    | -180.000504<br>125.000511 |  |
| CDD_MtrCurrK1_Amps_G_f32[1]                    | -200.000504               |  |
| CDD_MtrCurrK2_Amps_G_f32[0]                    |                           |  |
| CDD_MtrCurrK2_Amps_G_f32[1]                    | 198.000504                |  |
| CDD_MtrCurrQax_Amp_G_f32[0]                    | -120.000511               |  |
| DD_MtrCurrQax_Amp_G_f32[1]                     | 25.0005093                |  |
| CDD_MtrElecPol_Cnt_G_s8                        | -1                        |  |
| DD_Vecu_Volt_G_f32[0]                          | 8.23999977                |  |
| CDD_Vecu_Volt_G_f32[1]                         | 7.5                       |  |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32  | 2.0999998e-005            |  |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32  | 5.60000008e-005           |  |
| /trPos_CorrectedMtrPos_Rev_G_u0p16             | 5177                      |  |
| Rte_Inst_Sa_CmMtrCurr                          | tgt_Rte_Inst_Sa_CmMtrCurr |  |
| _MtrCurrOffLoComOff_Cnt_u16                    | 600                       |  |
| _MtrPosComputDelay_Sec_f32                     | 0.000199999995            |  |
| _NoofPoles_Uls_f32                             | 3.26873398                |  |
| gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.79999995                |  |
| gt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 60.099985                 |  |
| gt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 77.0999985                |  |





| Name                                            | Input Value       |                                    |          |
|-------------------------------------------------|-------------------|------------------------------------|----------|
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.26999998        |                                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal |                                    |          |
| Name                                            | Actual Value      | Expected Value                     | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0040000019      | 0.00400000019 ± 0.0000152587890625 | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.169662476       | 0.169662476 ± 0.0000152587890625   | <b>✓</b> |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.0461218357      | 0.0461218357 ± 0.0000152587890625  | ~        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.0005095         | 2.0005095 ± 32                     | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 0.743589759       | 0.743589759 ± 32                   | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 2.0005095         | 2.0005095 ± 32                     | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.539682567       | 0.539682567 ± 32                   | ~        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -200.000504       | -200.000504 ± 0.03                 | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 220               | 220 ± 0.03                         | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -180.000504       | -180.000504 ± 32                   | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 529.10144         | 529.101379 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -200.000504       | -200.000504 ± 32                   | <b>✓</b> |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 92.7710114        | 92.7709961 ± 32                    | <b>✓</b> |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -120.000511       | -120.000511 ± 0.03                 | <b>✓</b> |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 220               | 220 ± 0.03                         | <b>~</b> |

| Test Step 2.5 (Repeat Count = 1)                |                             |      |
|-------------------------------------------------|-----------------------------|------|
| Name                                            | Input Value                 |      |
| Adc2_GetPhsBCurr_Cnt_u16_m                      | 641                         |      |
| Adc2_GetPhsCCurr_Cnt_u16_m                      | 470                         |      |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                   | 6144                        |      |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16            | 0                           |      |
| CDD_CDDDataAccessBfr_Cnt_G_u16                  | 0                           |      |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.00499999989               |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.00127400004               |      |
| CDD_DCPhsBComp_Cnt_G_u16p0                      | 255                         |      |
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 324                         |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | 122.125                     |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 144.125                     |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | -0.023                      |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | -0.0219999999               |      |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 0.0007644                   |      |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.00076437                  |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | -0.00800000038              |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | -0.00700000022              |      |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0.0007644                   |      |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.00076437                  |      |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -180.000763                 |      |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 125.000763                  |      |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -160.000763                 |      |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 120.000763                  |      |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -180.000763                 |      |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 125.000763                  |      |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -200.000763                 |      |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 198.000763                  |      |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                           |      |
| CDD_Vecu_Volt_G_f32[0]                          | 9.25                        |      |
| CDD_Vecu_Volt_G_f32[1]                          | 8.51000023                  |      |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 2.20000002e-005             |      |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 5.70000011e-005             |      |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 5308                        |      |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr   |      |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 650                         |      |
| k_MtrPosComputDelay_Sec_f32                     | 9.60000034e-005             |      |
| k_NoofPoles_Uls_f32                             | 4.37541151                  |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.9000001                   |      |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 61.125                      |      |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 81.125                      |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.2999995                   |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal           |      |
| Name                                            | Actual Value Expected Value | Resu |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.00175476074               | 25   |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.00127400004               |      |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.0256486628                |      |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 0.753357768 ± 32            |      |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.00076437                  |      |
| CDD MtrCurr2 Volts G f32[0]                     | 0.544566572                 |      |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.00076437                  |      |





| Name                        | Actual Value | Expected Value    | Result   |
|-----------------------------|--------------|-------------------|----------|
| CDD_MtrCurrDax_Amp_G_f32[0] | 220          | 220 ± 0.03        | ✓        |
| CDD_MtrCurrDax_Amp_G_f32[1] | 125.000763   | 125.000763 ± 0.03 | ✓        |
| CDD_MtrCurrK1_Amps_G_f32[0] | 250.617706   | 250.617676 ± 32   | ✓        |
| CDD_MtrCurrK1_Amps_G_f32[1] | 120.000763   | 120.000763 ± 32   | ✓        |
| CDD_MtrCurrK2_Amps_G_f32[0] | 0.512343526  | 0.512347937 ± 32  | ✓        |
| CDD_MtrCurrK2_Amps_G_f32[1] | 125.000763   | 125.000763 ± 32   | ✓        |
| CDD_MtrCurrQax_Amp_G_f32[0] | 2.25081396   | 2.25080919 ± 0.03 | ✓        |
| CDD_MtrCurrQax_Amp_G_f32[1] | 198.000763   | 198.000763 ± 0.03 | <b>✓</b> |

| Test Step 2.6 (Repeat Count = 1)                |                           |                                    |     |
|-------------------------------------------------|---------------------------|------------------------------------|-----|
| Name                                            | Input Value               |                                    |     |
| Adc2_GetPhsBCurr_Cnt_u16_m                      | 657                       |                                    |     |
| Adc2_GetPhsCCurr_Cnt_u16_m                      | 482                       |                                    |     |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                   | 8192                      |                                    |     |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16            | 1                         |                                    |     |
| CDD_CDDDataAccessBfr_Cnt_G_u16                  | 1                         |                                    |     |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0060000005              |                                    |     |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0015288                 |                                    |     |
| CDD_DCPhsBComp_Cnt_G_u16p0                      | 300                       |                                    |     |
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 358                       |                                    |     |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | 120.150002                |                                    |     |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 142.149994                |                                    |     |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | -0.0219999999             |                                    |     |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | -0.020999997              |                                    |     |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.00101924                |                                    |     |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.00101924                |                                    |     |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | -0.00700000022            |                                    |     |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | -0.0060000005             |                                    |     |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.00101924                |                                    |     |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 2.00101924                |                                    |     |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -160.001022               |                                    |     |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 120.001022                |                                    |     |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -140.001022               |                                    |     |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 63.0010185                |                                    |     |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -160.001022               |                                    |     |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 120.001022                |                                    |     |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -180.001022               |                                    |     |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 125.001022                |                                    |     |
| CDD_MtrElecPol_Cnt_G_s8                         | -1                        |                                    |     |
| CDD_Vecu_Volt_G_f32[0]                          | 10.2600002                |                                    |     |
| CDD Vecu Volt G f32[1]                          | 9.52000046                |                                    |     |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 2.30000005e-005           |                                    |     |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 5.80000014e-005           |                                    |     |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 5439                      |                                    |     |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |     |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 700                       |                                    |     |
| k_MtrPosComputDelay_Sec_f32                     | 0.000110000001            |                                    |     |
| k_NoofPoles_Uls_f32                             | 2.92172194                |                                    |     |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 1                         |                                    |     |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 62.1500015                |                                    |     |
| tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32 | 85.1500015                |                                    |     |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.32999992                |                                    |     |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                    |     |
|                                                 |                           | Funcated Value                     | Dan |
| Name CDD CorrMtrBooEloo Boy C (2210)            | Actual Value              | Expected Value                     | Res |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0060000005              | 0.00600000005 ± 0.0000152587890625 |     |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.169952393               | 0.169952393 ± 0.0000152587890625   |     |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.0228427518              | 0.0228427518 ± 0.0000152587890625  |     |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.00101924                | 1.00101924 ± 32                    |     |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 0.763125777               | 0.763125777 ± 32                   |     |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.00101924                | 1.00101924 ± 32                    |     |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.549450576               | 0.549450576 ± 32                   |     |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -160.001022               | -160.001022 ± 0.03                 |     |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 130.482437                | 130.482437 ± 0.03                  |     |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -140.001022               | -140.001022 ± 32                   |     |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 141.058823                | 141.058823 ± 32                    |     |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -160.001022               | -160.001022 ± 32                   |     |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 71.3222275                | 71.3222275 ± 32                    |     |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -180.001022               | -180.001022 ± 0.03                 |     |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 89.2120132                | 89.2120132 ± 0.03                  |     |



| Test Step 2.7 (Repeat Count = 1)                                                            |                                   |                                    | <b>✓</b> |
|---------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------|----------|
| Name                                                                                        | Input Value                       |                                    |          |
| Adc2 GetPhsBCurr Cnt u16 m                                                                  | 673                               |                                    |          |
| Adc2_GetPhsCCurr_Cnt_u16_m                                                                  | 494                               |                                    |          |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                                                               | 10240                             |                                    |          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16                                                        | 0                                 |                                    |          |
| CDD_CDDDataAccessBfr_Cnt_G_u16                                                              | 0                                 |                                    |          |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                                                             | 0.00700000022                     |                                    |          |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                                                             | 0.00178359996                     |                                    |          |
| CDD_DCPhsBComp_Cnt_G_u16p0                                                                  | 345                               |                                    |          |
| CDD_DCPhsCComp_Cnt_G_u16p0                                                                  | 392                               |                                    |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                                                             | 122.175003                        |                                    |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                                                             | 145.175003                        |                                    |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                                                        | -0.0209999997                     |                                    |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                                                        | -0.00200000009                    |                                    |          |
| CDD_MtrCurr1_Volts_G_f32[0]                                                                 | 2.00127411                        |                                    |          |
| CDD_MtrCurr1_Volts_G_f32[1]                                                                 | 1.00127399                        |                                    |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                                                        | -0.00600000005                    |                                    |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]                                                        | -0.0049999989                     |                                    |          |
| CDD_MtrCurr2_Volts_G_f32[0]                                                                 | 1.00127399                        |                                    |          |
| CDD_MtrCurr2_Volts_G_f32[1]                                                                 | 2.00127411                        |                                    |          |
| CDD_MtrCurrDax_Amp_G_f32[0]                                                                 | -140.001266                       |                                    |          |
| CDD_MtrCurrDax_Amp_G_f32[1]                                                                 | 63.0012741                        |                                    |          |
| CDD_MtrCurrK1_Amps_G_f32[0]                                                                 | -200.001266                       |                                    |          |
| CDD_MtrCurrK1_Amps_G_f32[1]                                                                 | 198.001266                        |                                    |          |
| CDD_MtrCurrK2_Amps_G_f32[0]                                                                 | -140.001266                       |                                    |          |
| CDD_MtrCurrK2_Amps_G_f32[1]                                                                 | 63.0012741                        |                                    |          |
| CDD_MtrCurrQax_Amp_G_f32[0]                                                                 | -160.001266                       |                                    |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                                                                 | 120.001274                        |                                    |          |
| CDD_MtrElecPol_Cnt_G_s8                                                                     | 1                                 |                                    |          |
| CDD_Vecu_Volt_G_f32[0]                                                                      | 11.2700005                        |                                    |          |
| CDD_Vecu_Volt_G_f32[1]                                                                      | 10.5299997                        |                                    |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 | 2.40000008e-005<br>5.9000018e-005 |                                    |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16                                                          | 5.900000 18e-005                  |                                    |          |
| Rte Inst Sa CmMtrCurr                                                                       | tgt_Rte_Inst_Sa_CmMtrCurr         |                                    |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                                                | 750                               |                                    |          |
| k_MtrPosComputDelay_Sec_f32                                                                 | 0.000119999997                    |                                    |          |
| k_NoofPoles_Uls_f32                                                                         | 5.49470711                        |                                    |          |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                                             | 3                                 |                                    |          |
| tgt Pim ShCurrCal.EOLPhscurr1Gain AmpspVolt f32                                             | 63.1749992                        |                                    |          |
| tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32                                             | 89.1750031                        |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                             | 2.3599999                         |                                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                                     | tgt_Pim_ShCurrCal                 |                                    |          |
| Name                                                                                        | Actual Value                      | Expected Value                     | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                                                             | 0.0080871582                      | 0.0080871582 ± 0.0000152587890625  | ~        |
| CDD CorrMtrPosElec Rev G f32[1]                                                             | 0.00178359996                     | 0.00178359996 ± 0.0000152587890625 | ~        |
| CDD_ElecPosDelayComp_Rad_G_f32                                                              | 0.0402789488                      | 0.0402789488 ± 0.0000152587890625  | _        |
| CDD MtrCurr1 Volts G f32[0]                                                                 | 0.772893786                       | 0.772893786 ± 32                   | <b>~</b> |
| CDD_MtrCurr1_Volts_G_f32[1]                                                                 | 1.00127399                        | 1.00127399 ± 32                    |          |
| CDD_MtrCurr2_Volts_G_f32[0]                                                                 | 0.554334581                       | 0.554334581 ± 32                   | <b>~</b> |
| CDD_MtrCurr2_Volts_G_f32[1]                                                                 | 2.00127411                        | 2.00127411 ± 32                    | ~        |
| CDD_MtrCurrDax_Amp_G_f32[0]                                                                 | 220                               | 220 ± 0.03                         | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[1]                                                                 | 63.0012741                        | 63.0012741 ± 0.03                  | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]                                                                 | 269.72403                         | 269.72403 ± 32                     | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[1]                                                                 | 198.001266                        | 198.001266 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                                                                 | -1.85746443                       | -1.85746443 ± 32                   | <b>✓</b> |
| CDD_MtrCurrK2_Amps_G_f32[1]                                                                 | 63.0012741                        | 63.0012741 ± 32                    | •        |
| CDD_MtrCurrQax_Amp_G_f32[0]                                                                 | 15.5546885                        | 15.5546885 ± 0.03                  | •        |
| CDD_MtrCurrQax_Amp_G_f32[1]                                                                 | 120.001274                        | 120.001274 ± 0.03                  | ~        |
|                                                                                             |                                   |                                    |          |

| Test Step 2.8 (Repeat Count = 1)     | ✓             |
|--------------------------------------|---------------|
| Name                                 | Input Value   |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 689           |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 506           |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 12288         |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 1             |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 1             |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.00800000038 |





| Name                                            | Input Value               |                                    |        |
|-------------------------------------------------|---------------------------|------------------------------------|--------|
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.00203839992             |                                    |        |
| CDD_DCPhsBComp_Cnt_G_u16p0                      | 390                       |                                    |        |
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 426                       |                                    |        |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | 120.199997                |                                    |        |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 143.199997                |                                    |        |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | -0.00200000009            |                                    |        |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | -0.0189999994             |                                    |        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 4.00637007                |                                    |        |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.00636995                |                                    |        |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | -0.00499999989            |                                    |        |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | -0.0040000019             |                                    |        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 4.00637007                |                                    |        |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 2.00637007                |                                    |        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -120.001526               |                                    |        |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 25.0015297                |                                    |        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -180.001526               |                                    |        |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 125.001526                |                                    |        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -120.001526               |                                    |        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 25.0015297                |                                    |        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -140.001526               |                                    |        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 63.0015297                |                                    |        |
| CDD_MtrElecPol_Cnt_G_s8                         | -1                        |                                    |        |
| CDD_Vecu_Volt_G_f32[0]                          | 12.2799997                |                                    |        |
| CDD_Vecu_Volt_G_f32[1]                          | 11.54                     |                                    |        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 2.4999994e-005            |                                    |        |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 5.9999985e-005            |                                    |        |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 5702                      |                                    |        |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |        |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 800                       |                                    |        |
| k_MtrPosComputDelay_Sec_f32                     | 0.00013                   |                                    |        |
| k_NoofPoles_Uls_f32                             | 3.68196774                |                                    |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.5                       |                                    |        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 64.1999969                |                                    |        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 93.1999969                |                                    |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.3900001                 |                                    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                    |        |
| Name                                            | Actual Value              | Expected Value                     | Result |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.00800000038             | 0.00800000038 ± 0.0000152587890625 |        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.17578125                | 0.17578125 ± 0.0000152587890625    |        |
| CDD ElecPosDelayComp Rad G f32                  | 0.0342717543              | 0.0342717543 ± 0.0000152587890625  |        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 4.00637007                | 4.00637007 ± 32                    |        |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 0.782661796               | 0.782661796 ± 32                   |        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 4.00637007                | 4.00637007 ± 32                    | •      |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.559218585               | 0.559218585 ± 32                   |        |
| CDD MtrCurrDax Amp G f32[0]                     | -120.001526               | -120.001526 ± 0.03                 | •      |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 132.061935                | 132.061951 ± 0.03                  |        |
| CDD MtrCurrK1 Amps G f32[0]                     | -180.001526               | -180.001526 ± 32                   |        |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 245.904236                | 245.904236 ± 32                    |        |
| CDD MtrCurrK2 Amps G f32[0]                     | -120.001526               | -120.001526 ± 32                   | •      |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 24.0707855                | 24.0707951 ± 32                    |        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -140.001526               | -140.001526 ± 0.03                 | •      |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 208.82515                 | 208.825134 ± 0.03                  |        |

| Test Step 2.9 (Repeat Count = 1)     | ✓              |
|--------------------------------------|----------------|
| Name                                 | Input Value    |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 705            |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 518            |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 14336          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 0              |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 0              |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.00899999961  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.0022932      |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 435            |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 460            |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | 122.224998     |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | 146.225006     |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] | -0.0189999994  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1] | -0.0179999992  |
| CDD_MtrCurr1_Volts_G_f32[0]          | 0.00178359996  |
| CDD_MtrCurr1_Volts_G_f32[1]          | 2.00178361     |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0] | -0.00400000019 |





| Name                                            | Input Value               |                                   |        |
|-------------------------------------------------|---------------------------|-----------------------------------|--------|
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | -0.00300000003            |                                   |        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0.00178359996             |                                   |        |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.00178361                |                                   |        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -200.001785               |                                   |        |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 198.001785                |                                   |        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -160.001785               |                                   |        |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 120.001785                |                                   |        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -200.001785               |                                   |        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 198.001785                |                                   |        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -120.001785               |                                   |        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 25.0017834                |                                   |        |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                   |        |
| CDD_Vecu_Volt_G_f32[0]                          | 13.29                     |                                   |        |
| CDD_Vecu_Volt_G_f32[1]                          | 12.5500002                |                                   |        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 2.59999997e-005           |                                   |        |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 6.09999988e-005           |                                   |        |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 5833                      |                                   |        |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                   |        |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 850                       |                                   |        |
| k_MtrPosComputDelay_Sec_f32                     | 0.000140000004            |                                   |        |
| k_NoofPoles_Uls_f32                             | 3.42960882                |                                   |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 1                         |                                   |        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 65.2249985                |                                   |        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 97.2249985                |                                   |        |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32 | 1                         |                                   |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                   |        |
| Name                                            | Actual Value              | Expected Value                    | Result |
| CDD CorrMtrPosElec Rev G f32[0]                 | 0.010345459               | 0.010345459 ± 0.0000152587890625  | -      |
| CDD CorrMtrPosElec Rev G f32[1]                 | 0.0022932                 | 0.0022932 ± 0.0000152587890625    | •      |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.0293428767              | 0.0293428767 ± 0.0000152587890625 | •      |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 0.792429805               | 0.792429805 ± 32                  | •      |
| CDD MtrCurr1 Volts G f32[1]                     | 2.00178361                | 2.00178361 ± 32                   | •      |
| CDD MtrCurr2 Volts G f32[0]                     | 0.56410259                | 0.56410259 ± 32                   | •      |
| CDD MtrCurr2 Volts G f32[1]                     | 1.00178361                | 1.00178361 ± 32                   | •      |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | 12.5474663                | 12.547472 ± 0.03                  | •      |
| CDD MtrCurrDax Amp G f32[1]                     | 198.001785                | 198.001785 ± 0.03                 | •      |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 12.790926                 | 12.7909317 ± 32                   | •      |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 120.001785                | 120.001785 ± 32                   |        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -3.33215642               | -3.33215976 ± 32                  | •      |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 198.001785                | 198.001785 ± 32                   |        |
| CDD MtrCurrQax Amp G f32[0]                     | 4.15597534                | 4.15597868 ± 0.03                 | -      |
| CDD MtrCurrQax Amp G f32[1]                     | 25.0017834                | 25.0017834 ± 0.03                 |        |

| Name                                 | Input Value    |  |
|--------------------------------------|----------------|--|
| Adc2_GetPhsBCurr_Cnt_u16_m           | 721            |  |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 530            |  |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 16384          |  |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 1              |  |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 1              |  |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.0099999978   |  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.00254800008  |  |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 480            |  |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 494            |  |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | 120.25         |  |
| DD_MRFMtrVel_MtrRadpS_G_f32[1]       | 144.25         |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] | -0.0179999992  |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1] | -0.0170000009  |  |
| CDD_MtrCurr1_Volts_G_f32[0]          | 1.00203836     |  |
| CDD_MtrCurr1_Volts_G_f32[1]          | 2.00203848     |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0] | -0.00300000003 |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1] | -0.00200000009 |  |
| CDD_MtrCurr2_Volts_G_f32[0]          | 1.00203836     |  |
| DD_MtrCurr2_Volts_G_f32[1]           | 2.00203848     |  |
| DD_MtrCurrDax_Amp_G_f32[0]           | -180.002045    |  |
| DD_MtrCurrDax_Amp_G_f32[1]           | 125.002037     |  |
| CDD_MtrCurrK1_Amps_G_f32[0]          | -140.002045    |  |
| CDD_MtrCurrK1_Amps_G_f32[1]          | 63.002037      |  |
| CDD_MtrCurrK2_Amps_G_f32[0]          | -180.002045    |  |
| CDD_MtrCurrK2_Amps_G_f32[1]          | 125.002037     |  |
| CDD_MtrCurrQax_Amp_G_f32[0]          | -200.002045    |  |

2016-07-24, 12:52:46+0530



| Name                                            | Input Value               |                                    |          |
|-------------------------------------------------|---------------------------|------------------------------------|----------|
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 198.002045                |                                    |          |
| CDD_MtrElecPol_Cnt_G_s8                         | -1                        | 4                                  |          |
| CDD_Vecu_Volt_G_f32[0]                          | 14.3000002                |                                    |          |
| CDD_Vecu_Volt_G_f32[1]                          | 13.5600004                |                                    |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 2.7e-005                  |                                    |          |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 6.19999992e-005           |                                    |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 5964                      |                                    |          |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |          |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 900                       |                                    |          |
| k_MtrPosComputDelay_Sec_f32                     | 0.000150000007            |                                    |          |
| k_NoofPoles_Uls_f32                             | 2.55424547                |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 1.10000002                |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 66.25                     |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 101.25                    |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 3                         |                                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                    |          |
| Name                                            | Actual Value              | Expected Value                     | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0099999978              | 0.00999999978 ± 0.0000152587890625 | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.178726196               | 0.178726196 ± 0.0000152587890625   | <b>✓</b> |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.0276337452              | 0.0276337452 ± 0.0000152587890625  | ~        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.00203836                | 1.00203836 ± 32                    | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 0.802197814               | 0.802197814 ± 32                   | ~        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.00203836                | 1.00203836 ± 32                    | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.568986595               | 0.568986595 ± 32                   | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -180.002045               | -180.002045 ± 0.03                 | ~        |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 199.631271                | 199.631302 ± 0.03                  | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -140.002045               | -140.002045 ± 32                   | ~        |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 218.941406                | 218.941437 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -180.002045               | -180.002045 ± 32                   | ~        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 116.295929                | 116.295944 ± 32                    | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -200.002045               | -200.002045 ± 0.03                 | <b>✓</b> |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 146.994675                | 146.994705 ± 0.03                  | <b>✓</b> |

| Name                                          | Input Value               |
|-----------------------------------------------|---------------------------|
| Adc2 GetPhsBCurr Cnt u16 m                    | 737                       |
| Adc2 GetPhsCCurr Cnt u16 m                    | 542                       |
| CDD ADC2OffsetComp Cnt G u8p8                 | 18432                     |
| CDD AppDataFwdPthAccessBfr Cnt G u16          | 0                         |
| CDD CDDDataAccessBfr Cnt G u16                | 0                         |
| CDD_CorrMtrPosElec_Rev_G_f32[0]               | 0.0109999999              |
| CDD CorrMtrPosElec Rev G f32[1]               | 0.00280279992             |
| CDD_DCPhsBComp_Cnt_G_u16p0                    | 525                       |
| CDD_DCPhsCComp_Cnt_G_u16p0                    | 528                       |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]               | 122.275002                |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]               | 147.274994                |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]          | -0.0170000009             |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]          | -0.0160000008             |
| CDD_MtrCurr1_Volts_G_f32[0]                   | 2.00229311                |
| CDD_MtrCurr1_Volts_G_f32[1]                   | 1.00229323                |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]          | -0.00200000009            |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]          | -0.00100000005            |
| CDD_MtrCurr2_Volts_G_f32[0]                   | 2.00229311                |
| CDD_MtrCurr2_Volts_G_f32[1]                   | 1.00229323                |
| CDD_MtrCurrDax_Amp_G_f32[0]                   | -160.002289               |
| CDD_MtrCurrDax_Amp_G_f32[1]                   | 120.002296                |
| CDD_MtrCurrK1_Amps_G_f32[0]                   | -120.002296               |
| CDD_MtrCurrK1_Amps_G_f32[1]                   | 25.0022926                |
| CDD_MtrCurrK2_Amps_G_f32[0]                   | -160.002289               |
| CDD_MtrCurrK2_Amps_G_f32[1]                   | 120.002296                |
| CDD_MtrCurrQax_Amp_G_f32[0]                   | -180.002289               |
| CDD_MtrCurrQax_Amp_G_f32[1]                   | 125.002296                |
| CDD_MtrElecPol_Cnt_G_s8                       | 1                         |
| CDD_Vecu_Volt_G_f32[0]                        | 15.3100004                |
| CDD_Vecu_Volt_G_f32[1]                        | 14.5699997                |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32 | 2.80000004e-005           |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 | 6.29999995e-005           |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16            | 6095                      |
| Rte_Inst_Sa_CmMtrCurr                         | tgt_Rte_Inst_Sa_CmMtrCurr |
| k_MtrCurrOffLoComOff_Cnt_u16                  | 950                       |
| k_MtrPosComputDelay_Sec_f32                   | 0.000159999996            |

CurrDQPer1

2016-07-24, 12:52:46+0530



Name Input Value k\_NoofPoles\_Uls\_f32 4.01599836  $tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32$ 1.20000005 tgt\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32 67.2750015  $tgt\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32$ 105.275002 tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32 2.5  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_ShCurrCal$ tgt\_Pim\_ShCurrCal Result Name **Actual Value Expected Value** CDD\_CorrMtrPosElec\_Rev\_G\_f32[0] 0.0159301758 0.0159301758 ± 0.0000152587890625 CDD\_CorrMtrPosElec\_Rev\_G\_f32[1] 0.00280279992  $0.00280279992 \pm 0.0000152587890625$ CDD\_ElecPosDelayComp\_Rad\_G\_f32 0.0392844975 0.0392844938 ± 0.0000152587890625 CDD\_MtrCurr1\_Volts\_G\_f32[0] 0.811965823 0.811965823 ± 32 CDD\_MtrCurr1\_Volts\_G\_f32[1] 1.00229323 1.00229323 ± 32 0.573870599 ± 32 CDD\_MtrCurr2\_Volts\_G\_f32[0] 0.573870599 CDD\_MtrCurr2\_Volts\_G\_f32[1] 1.00229323 1.00229323 ± 32 **> > > > >** CDD\_MtrCurrDax\_Amp\_G\_f32[0] 162 878464 162.878464 ± 0.03 CDD\_MtrCurrDax\_Amp\_G\_f32[1] 120.002296 120.002296 ± 0.03 CDD\_MtrCurrK1\_Amps\_G\_f32[0] 172.198914 172.198914 ± 32 CDD\_MtrCurrK1\_Amps\_G\_f32[1] 25.0022926 25.0022926 ± 32 CDD\_MtrCurrK2\_Amps\_G\_f32[0] -84.6491928 -84.6491852 ± 32 CDD\_MtrCurrK2\_Amps\_G\_f32[1] 120.002296 120.002296 ± 32 CDD\_MtrCurrQax\_Amp\_G\_f32[0] 101.432526 101.432526 ± 0.03  $CDD\_MtrCurrQax\_Amp\_G\_f32[1]$ 125.002296  $125.002296 \pm 0.03$ 

| Test Step 2.12 (Repeat Count = 1)                                                      |                           |                             |       |
|----------------------------------------------------------------------------------------|---------------------------|-----------------------------|-------|
| Name                                                                                   | Input Value               |                             |       |
| Adc2_GetPhsBCurr_Cnt_u16_m                                                             | 753                       |                             |       |
| Adc2_GetPhsCCurr_Cnt_u16_m                                                             | 554                       |                             |       |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                                                          | 20480                     |                             |       |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16                                                   | 1                         |                             |       |
| CDD_CDDDataAccessBfr_Cnt_G_u16                                                         | 1                         |                             |       |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                                                        | 0.0120000001              |                             |       |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                                                        | 0.0030576                 |                             |       |
| CDD_DCPhsBComp_Cnt_G_u16p0                                                             | 570                       |                             |       |
| CDD_DCPhsCComp_Cnt_G_u16p0                                                             | 562                       |                             |       |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                                                        | 120.300003                |                             |       |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                                                        | 145.300003                |                             |       |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                                                   | -0.0160000008             |                             |       |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                                                   | -0.0149999997             |                             |       |
| CDD_MtrCurr1_Volts_G_f32[0]                                                            | 2.00254798                |                             |       |
| CDD_MtrCurr1_Volts_G_f32[1]                                                            | 1.00254798                |                             |       |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                                                   | -0.00100000005            |                             |       |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]                                                   | 0                         |                             |       |
| CDD_MtrCurr2_Volts_G_f32[0]                                                            | 1.00254798                |                             |       |
| CDD_MtrCurr2_Volts_G_f32[1]                                                            | 2.00254798                |                             |       |
| CDD_MtrCurrDax_Amp_G_f32[0]                                                            | -140.002548               |                             |       |
| CDD_MtrCurrDax_Amp_G_f32[1]                                                            | 63.0025482                |                             |       |
| CDD_MtrCurrK1_Amps_G_f32[0]                                                            | -200.002548               |                             |       |
| CDD_MtrCurrK1_Amps_G_f32[1]                                                            | 198.002548                |                             |       |
| CDD_MtrCurrK2_Amps_G_f32[0]                                                            | -140.002548               | -140.002548                 |       |
| CDD_MtrCurrK2_Amps_G_f32[1]                                                            | 63.0025482                |                             |       |
| CDD_MtrCurrQax_Amp_G_f32[0]                                                            | -160.002548               |                             |       |
| CDD_MtrCurrQax_Amp_G_f32[1]                                                            | 120.002548                |                             |       |
| CDD_MtrElecPol_Cnt_G_s8                                                                | 1                         |                             |       |
| CDD_Vecu_Volt_G_f32[0]                                                                 | 16.3199997                |                             |       |
| CDD_Vecu_Volt_G_f32[1]                                                                 | 15.5799999                |                             |       |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32                                          | 2.90000007e-005           |                             |       |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32                                          | 6.3999998e-005            |                             |       |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16                                                     | 6226                      |                             |       |
| Rte Inst Sa CmMtrCurr                                                                  | tgt Rte Inst Sa CmMtrCurr |                             |       |
| k_MtrCurrOffLoComOff_Cnt_u16                                                           | 1000                      |                             |       |
| k MtrPosComputDelay Sec f32                                                            | 0.000169999999            |                             |       |
| k_NoofPoles_Uls_f32                                                                    | 3.55628181                |                             |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                        | 1.29999995                |                             |       |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32                                        | 20                        |                             |       |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32                                        | 109.300003                |                             |       |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32                                        | 2.33899999                |                             |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                                | tgt_Pim_ShCurrCal         |                             |       |
| Name                                                                                   |                           | ted Value                   | Resul |
|                                                                                        | ·                         |                             | Resul |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                                                        |                           | 000001 ± 0.0000152587890625 |       |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                                                        |                           | 61499 ± 0.0000152587890625  |       |
| CDD_ElecPosDelayComp_Rad_G_f32  © Report created by TESSY V3.1.13 report template V2.1 | 0.0439218618 0.04392      | 218581 ± 0.0000152587890625 |       |





| Name                        | Actual Value | Expected Value     | Result   |
|-----------------------------|--------------|--------------------|----------|
| CDD_MtrCurr1_Volts_G_f32[0] | 2.00254798   | 2.00254798 ± 32    | ~        |
| CDD_MtrCurr1_Volts_G_f32[1] | 0.821733832  | 0.821733832 ± 32   | ~        |
| CDD_MtrCurr2_Volts_G_f32[0] | 1.00254798   | 1.00254798 ± 32    | ~        |
| CDD_MtrCurr2_Volts_G_f32[1] | 0.578754604  | 0.578754604 ± 32   | ~        |
| CDD_MtrCurrDax_Amp_G_f32[0] | -140.002548  | -140.002548 ± 0.03 | <b>~</b> |
| CDD_MtrCurrDax_Amp_G_f32[1] | 140.33194    | 140.33194 ± 0.03   | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0] | -200.002548  | -200.002548 ± 32   | <b>~</b> |
| CDD_MtrCurrK1_Amps_G_f32[1] | 150.838562   | 150.838562 ± 32    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0] | -140.002548  | -140.002548 ± 32   | ~        |
| CDD_MtrCurrK2_Amps_G_f32[1] | -80.9582214  | -80.9582214 ± 32   | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0] | -160.002548  | -160.002548 ± 0.03 | ~        |
| CDD_MtrCurrQax_Amp_G_f32[1] | 98.0482101   | 98.0482101 ± 0.03  | ~        |

| Name                                           | Input Value                 |                                    |     |
|------------------------------------------------|-----------------------------|------------------------------------|-----|
| Adc2_GetPhsBCurr_Cnt_u16_m                     | ·                           | 769                                |     |
| Adc2_GetPhsCCurr_Cnt_u16_m                     | 566                         |                                    |     |
| CDD ADC2OffsetComp Cnt G u8p8                  | 22528                       |                                    |     |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16           | 0                           |                                    |     |
| CDD_CDDDataAccessBfr_Cnt_G_u16                 | 0                           |                                    |     |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                | 0.0130000003                |                                    |     |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                | 0.00331240008               |                                    |     |
| CDD_DCPhsBComp_Cnt_G_u16p0                     | 615                         |                                    |     |
| CDD DCPhsCComp Cnt G u16p0                     | 596                         |                                    |     |
| CDD MRFMtrVel MtrRadpS G f32[0]                | 122.324997                  |                                    |     |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                | 148.324997                  |                                    |     |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]           | -0.014999997                |                                    |     |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]           | -0.0149999997               |                                    |     |
|                                                | 0.00280279992               |                                    |     |
| CDD_MtrCurr1_Volts_G_f32[0]                    | 4.00280279992               |                                    |     |
| CDD_MtrCurr1_Volts_G_f32[1]                    | 0                           |                                    |     |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]           |                             |                                    |     |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]           | 0.0010000005                |                                    |     |
| CDD_MtrCurr2_Volts_G_f32[0]                    | 0.00280279992<br>4.00280285 |                                    |     |
| CDD_MtrCurr2_Volts_G_f32[1]                    |                             |                                    |     |
| CDD_MtrCurrDax_Amp_G_f32[0]                    | -120.0028<br>25.0028019     |                                    |     |
| CDD_MtrCurrDax_Amp_G_f32[1]                    |                             |                                    |     |
| CDD_MtrCurrK1_Amps_G_f32[0]                    | -180.002808                 |                                    |     |
| CDD_MtrCurrK1_Amps_G_f32[1]                    | 125.0028                    |                                    |     |
| CDD_MtrCurrK2_Amps_G_f32[0]                    | -120.0028                   |                                    |     |
| CDD_MtrCurrK2_Amps_G_f32[1]                    | 25.0028019                  |                                    |     |
| CDD_MtrCurrQax_Amp_G_f32[0]                    | -140.002808                 |                                    |     |
| CDD_MtrCurrQax_Amp_G_f32[1]                    | 63.0028038                  |                                    |     |
| CDD_MtrElecPol_Cnt_G_s8                        | 1                           |                                    |     |
| CDD_Vecu_Volt_G_f32[0]                         | 17.3299999                  |                                    |     |
| CDD_Vecu_Volt_G_f32[1]                         | 16.5900002                  |                                    |     |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32  | 2.9999992e-005              |                                    |     |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32  | 6.50000002e-005             |                                    |     |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16             |                             | 6357                               |     |
| Rte_Inst_Sa_CmMtrCurr                          | tgt_Rte_Inst_Sa_CmMtrCurr   |                                    |     |
| x_MtrCurrOffLoComOff_Cnt_u16                   | 1050                        |                                    |     |
| _MtrPosComputDelay_Sec_f32                     | 0.000180000003              |                                    |     |
| x_NoofPoles_Uls_f32                            | 2.66659498                  |                                    |     |
| gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 1.3999998                   |                                    |     |
| gt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 125                         |                                    |     |
| gt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 113.324997                  |                                    |     |
| gt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.33999991                  |                                    |     |
| gt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal           |                                    |     |
| Name                                           | Actual Value                | Expected Value                     | Res |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                | 0.0183410645                | 0.0183410645 ± 0.0000152587890625  |     |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                | 0.00331240008               | 0.00331240008 ± 0.0000152587890625 |     |
| CDD_ElecPosDelayComp_Rad_G_f32                 | 0.0293572098                | 0.0293572098 ± 0.0000152587890625  |     |
| CDD_MtrCurr1_Volts_G_f32[0]                    | 0.831501842                 | 0.831501842 ± 32                   |     |
| CDD_MtrCurr1_Volts_G_f32[1]                    | 4.00280285                  | 4.00280285 ± 32                    |     |
| CDD_MtrCurr2_Volts_G_f32[0]                    | 0.583638608                 | 0.583638608 ± 32                   |     |
| CDD_MtrCurr2_Volts_G_f32[1]                    | 4.00280285                  | 4.00280285 ± 32                    |     |
| CDD_MtrCurrDax_Amp_G_f32[0]                    | 175.084854                  | 175.084854 ± 0.03                  |     |
| CDD_MtrCurrDax_Amp_G_f32[1]                    | 25.0028019                  | 25.0028019 ± 0.03                  |     |
| CDD_MtrCurrK1_Amps_G_f32[0]                    | 183.192673                  | 183.192673 ± 32                    |     |
| CDD_MtrCurrK1_Amps_G_f32[1]                    | 125.0028                    | 125.0028 ± 32                      |     |
| CDD_MtrCurrK2_Amps_G_f32[0]                    | -59.9444046                 | -59.9444008 ± 32                   |     |
| CDD_MtrCurrK2_Amps_G_f32[1]                    | 25.0028019                  | 25.0028019 ± 32                    |     |

2016-07-24, 12:52:46+0530



| Name                        | Actual Value | Expected Value    | Result   |
|-----------------------------|--------------|-------------------|----------|
| CDD_MtrCurrQax_Amp_G_f32[0] | 80.61129     | 80.61129 ± 0.03   | <b>✓</b> |
| CDD MtrCurrQax Amp G f32[1] | 63.0028038   | 63.0028038 ± 0.03 | <b>✓</b> |

| Test Step 2.14 (Repeat Count = 1)                                                               |                           |                                                                        | <b>✓</b> |
|-------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------|----------|
| Name                                                                                            | Input Value               |                                                                        |          |
| Adc2_GetPhsBCurr_Cnt_u16_m                                                                      | 785                       |                                                                        |          |
| Adc2 GetPhsCCurr Cnt u16 m                                                                      | 578                       |                                                                        |          |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                                                                   | 24576                     |                                                                        |          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16                                                            | 1                         |                                                                        |          |
| CDD_CDDDataAccessBfr_Cnt_G_u16                                                                  | 1                         |                                                                        |          |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                                                                 | 0.0140000004              |                                                                        |          |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                                                                 | 0.00356719992             |                                                                        |          |
| CDD_DCPhsBComp_Cnt_G_u16p0                                                                      | 660                       |                                                                        |          |
| CDD_DCPhsCComp_Cnt_G_u16p0                                                                      | 630                       |                                                                        |          |
| CDD MRFMtrVel MtrRadpS G f32[0]                                                                 | 120.349998                |                                                                        |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                                                                 | 146.350006                |                                                                        |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                                                            | -0.0140000004             |                                                                        |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                                                            | -0.0130000003             |                                                                        |          |
| CDD_MtrCurr1_Volts_G_f32[0]                                                                     | 1.0030576                 |                                                                        |          |
| CDD_MtrCurr1_Volts_G_f32[1]                                                                     | 2.00305772                |                                                                        |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                                                            | 0.00100000005             |                                                                        |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]                                                            | 0.00200000009             |                                                                        |          |
| CDD_MtrCurr2_Volts_G_f32[0]                                                                     | 1.0030576                 |                                                                        |          |
| CDD_MtrCurr2_Volts_G_f32[1]                                                                     | 2.00305772                |                                                                        |          |
| CDD_MtrCurrDax_Amp_G_f32[0]                                                                     | -200.003052               |                                                                        |          |
| CDD_MtrCurrDax_Amp_G_f32[1]                                                                     | 198.003052                |                                                                        |          |
| CDD_MtrCurrK1_Amps_G_f32[0]                                                                     | -160.003052               |                                                                        |          |
| CDD_MtrCurrK1_Amps_G_f32[1]                                                                     | 120.003059                |                                                                        |          |
| CDD_MtrCurrK2_Amps_G_f32[0]                                                                     | -200.003052               |                                                                        |          |
| CDD_MtrCurrK2_Amps_G_f32[1]                                                                     | 198.003052                |                                                                        |          |
| CDD_MtrCurrQax_Amp_G_f32[0]                                                                     | -120.003059               |                                                                        |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                                                                     | 25.0030575                |                                                                        |          |
| CDD_MtrElecPol_Cnt_G_s8                                                                         | 1                         |                                                                        |          |
| CDD_Vecu_Volt_G_f32[0]                                                                          | 18.3400002                |                                                                        |          |
| CDD_Vecu_Volt_G_f32[1]                                                                          | 17.6000004                |                                                                        |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32                                                   | 0                         |                                                                        |          |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32                                                   | 6.60000005e-005           |                                                                        |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16                                                              | 6488                      |                                                                        |          |
| Rte_Inst_Sa_CmMtrCurr                                                                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                                                        |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                                                    | 1100                      |                                                                        |          |
| k_MtrPosComputDelay_Sec_f32                                                                     | 0.000190000006            |                                                                        |          |
| k_NoofPoles_UIs_f32                                                                             | 5.41137266<br>1.5         |                                                                        |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 65.3499985                |                                                                        |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32                                                 | 117.349998                |                                                                        |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                                 | 2.34100008                |                                                                        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                                         | tgt_Pim_ShCurrCal         |                                                                        |          |
| Name                                                                                            | Actual Value              | Expected Value                                                         | Result   |
|                                                                                                 |                           | 0.0140000004 ± 0.0000152587890625                                      | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0] CDD_CorrMtrPosElec_Rev_G_f32[1]                                 | 0.0140000004              |                                                                        | -        |
| CDD_CorrMtrPosElec_Rev_G_f32[1] CDD_EleaPeaDeleyComp_Red_C_f32                                  | 0.0276489258              | 0.0276489258 ± 0.0000152587890625<br>0.0752356723 ± 0.0000152587890625 |          |
| CDD_ElecPosDelayComp_Rad_G_f32 CDD_MtrCurr1_Volts_G_f32[0]                                      | 0.0752356723<br>1.0030576 | 1.0030576 ± 32                                                         | ~        |
| CDD_MtrCurr1_Volts_G_32[t]                                                                      | 0.841269851               | 0.841269851 ± 32                                                       | _        |
| CDD_MtrCurr2_Volts_G_f32[0]                                                                     | 1.0030576                 | 1.0030576 ± 32                                                         | ~        |
| CDD_MtrCurr2_Volts_G_f32[1]                                                                     | 0.588522613               | 0.588522613 ± 32                                                       | -        |
| CDD_MtrCurrDax_Amp_G_f32[0]                                                                     | -200.003052               | -200.003052 ± 0.03                                                     | -        |
| CDD_MtrCurrDax_Amp_G_f32[1]                                                                     | 174.927002                | 174.927017 ± 0.03                                                      | -        |
| CDD_MtrCurrK1_Amps_G_f32[0]                                                                     | -160.003052               | -160.003052 ± 32                                                       | -        |
| CDD_MtrCurrK1_Amps_G_f32[1]                                                                     | 188.108337                | 188.108337 ± 32                                                        | _        |
| CDD_MtrCurrK2_Amps_G_f32[0]                                                                     | -200.003052               | -200.003052 ± 32                                                       | <b>✓</b> |
| CDD_MtrCurrK2_Amps_G_f32[1]                                                                     | -59.8777809               | -59.8777809 ± 32                                                       | -        |
| CDD_MtrCurrQax_Amp_G_f32[0]                                                                     | -120.003059               | -120.003059 ± 0.03                                                     | ~        |
| CDD_MtrCurrQax_Amp_G_f32[1]                                                                     | 91.4911804                | 91.4911804 ± 0.03                                                      | ~        |

| Test Step 2.15 (Repeat Count = 1) | <b>✓</b>    |
|-----------------------------------|-------------|
| Name                              | Input Value |
| Adc2_GetPhsBCurr_Cnt_u16_m        | 801         |
| Adc2_GetPhsCCurr_Cnt_u16_m        | 590         |





| Name                                            | Input Value               |                                   |          |
|-------------------------------------------------|---------------------------|-----------------------------------|----------|
| CDD_ADC2OffsetComp_Cnt_G_u8p8                   | 26624                     |                                   |          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16            | 0                         |                                   |          |
| CDD_CDDDataAccessBfr_Cnt_G_u16                  | 0                         |                                   |          |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0149999997              |                                   |          |
| CDD CorrMtrPosElec Rev G f32[1]                 | 0.003822                  |                                   |          |
| CDD DCPhsBComp Cnt G u16p0                      | 705                       |                                   |          |
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 664                       |                                   |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | 122.449997                |                                   |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 149.449997                |                                   |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | -0.0130000003             |                                   |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | -0.0120000001             |                                   |          |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 0.00178359996             |                                   |          |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.00178361                |                                   |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | 0.0020000009              |                                   |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | 0.0030000003              |                                   |          |
| CDD MtrCurr2 Volts G f32[0]                     | 0.00178359996             |                                   |          |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.00178361                |                                   |          |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -180.003311               |                                   |          |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 125.003311                |                                   |          |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -140.003311               |                                   |          |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 63.0033112                |                                   |          |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -180.003311               |                                   |          |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 125.003311                |                                   |          |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -200.003311               |                                   |          |
| CDD MtrCurrQax Amp G f32[1]                     | 198.003311                |                                   |          |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                   |          |
| CDD_Vecu_Volt_G_f32[0]                          | 19.3500004                |                                   |          |
| CDD Vecu Volt G f32[1]                          | 18.6100006                |                                   |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 5.50000004e-005           |                                   |          |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 6.7000009e-005            |                                   |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 6619                      |                                   |          |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                   |          |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 1150                      |                                   |          |
| k_MtrPosComputDelay_Sec_f32                     | 0.00019999995             |                                   |          |
| k_NoofPoles_Uls_f32                             | 3.47708869                |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 1.60000002                |                                   |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 68.375                    |                                   |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 20                        |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.34200001                |                                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                   |          |
| Name                                            | Actual Value              | Expected Value                    | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0244445801              | 0.0244445801 ± 0.0000152587890625 | _        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.003822                  | 0.003822 ± 0.0000152587890625     | •        |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.04257695                | 0.04257695 ± 0.0000152587890625   |          |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 0.85103786                | 0.85103786 ± 32                   | <b>V</b> |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.00178361                | 2.00178361 ± 32                   |          |
| CDD MtrCurr2 Volts G f32[0]                     | 0.593406618               | 0.593406618 ± 32                  | •        |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.00178361                | 1.00178361 ± 32                   | -        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | 37.2248878                | 37.2248878 ± 0.03                 | •        |
| CDD MtrCurrDax Amp G f32[1]                     | 125.003311                | 125.003311 ± 0.03                 | -        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 38.4295807                | 38.4295807 ± 32                   | •        |
| CDD MtrCurrK1 Amps G f32[1]                     | 63.0033112                | 63.0033112 ± 32                   | -        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -4.91748905               | -4.9174881 ± 32                   | •        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 125.003311                | 125.003311 ± 32                   |          |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | 10.7388153                | 10.7388144 ± 0.03                 | •        |
| CDD MtrCurrQax Amp G f32[1]                     | 198.003311                | 198.003311 ± 0.03                 | -        |
| r                                               |                           |                                   |          |

| Test Step 2.16 (Repeat Count = 1)    |               | <b>✓</b> |
|--------------------------------------|---------------|----------|
| Name                                 | Input Value   |          |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 817           |          |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 602           |          |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 28672         |          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 1             |          |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 1             |          |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.0160000008  |          |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.00407679984 |          |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 750           |          |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 698           |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | 120.474998    |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | 147.475006    |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] | -0.0120000001 |          |





| Name                                            | Input Value               |                                    |        |
|-------------------------------------------------|---------------------------|------------------------------------|--------|
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | -0.0109999999             |                                    |        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.00356722                |                                    |        |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.00356722                |                                    |        |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | 0.0030000003              |                                    |        |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | 0.0040000019              |                                    |        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.00356722                |                                    |        |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 2.00356722                |                                    |        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -160.003571               |                                    |        |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 120.003571                |                                    |        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -120.003571               |                                    |        |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 25.0035667                |                                    |        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -160.003571               |                                    |        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 120.003571                |                                    |        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -180.003571               |                                    |        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 125.003571                |                                    |        |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                    |        |
| CDD_Vecu_Volt_G_f32[0]                          | 20.3600006                |                                    |        |
| CDD_Vecu_Volt_G_f32[1]                          | 19.6200008                |                                    |        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 5.60000008e-005           |                                    |        |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 6.80000012e-005           |                                    |        |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 6750                      |                                    |        |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |        |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 1200                      |                                    |        |
| k_MtrPosComputDelay_Sec_f32                     | 2.4999994e-005            |                                    |        |
| k_NoofPoles_Uls_f32                             | 2.77089477                |                                    |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 1.70000005                |                                    |        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 69.4000015                |                                    |        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 125                       |                                    |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.34299994                |                                    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                    |        |
| Name                                            | Actual Value              | Expected Value                     | Result |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0160000008              | 0.0160000008 ± 0.0000152587890625  | •      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0204772949              | 0.0204772949 ± 0.0000152587890625  | •      |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.00510797137             | 0.00510797137 ± 0.0000152587890625 | -      |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.00356722                | 2.00356722 ± 32                    | •      |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 0.860805869               | 0.860805869 ± 32                   | •      |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.00356722                | 1.00356722 ± 32                    | •      |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.598290622               | 0.598290622 ± 32                   | •      |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -160.003571               | -160.003571 ± 0.03                 | •      |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 152.184387                | 152.184402 ± 0.03                  | •      |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -120.003571               | -120.003571 ± 32                   | •      |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 162.740738                | 162.740753 ± 32                    | •      |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -160.003571               | -160.003571 ± 32                   |        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | -71.7897491               | -71.7897644 ± 32                   | •      |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -180.003571               | -180.003571 ± 0.03                 |        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 92.077301                 | 92.0773087 ± 0.03                  | •      |

| Test Step 2.17 (Repeat Count = 1)    | <b>✓</b>       |
|--------------------------------------|----------------|
| Name                                 | Input Value    |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 833            |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 614            |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 30720          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 0              |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 0              |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.0170000009   |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.00433159992  |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 795            |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 732            |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | 122.5          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | 150.5          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] | -0.0109999999  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1] | -0.00100000005 |
| CDD_MtrCurr1_Volts_G_f32[0]          | 0.003822       |
| CDD_MtrCurr1_Volts_G_f32[1]          | 2.00382209     |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0] | 0.00400000019  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1] | 0.00499999989  |
| CDD_MtrCurr2_Volts_G_f32[0]          | 0.003822       |
| CDD_MtrCurr2_Volts_G_f32[1]          | 1.00382197     |
| CDD_MtrCurrDax_Amp_G_f32[0]          | -140.003815    |
| CDD_MtrCurrDax_Amp_G_f32[1]          | 63.0038223     |
| CDD_MtrCurrK1_Amps_G_f32[0]          | -200.003815    |





| Name                                            | Input Value               |                                    |          |
|-------------------------------------------------|---------------------------|------------------------------------|----------|
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 198.003815                |                                    |          |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -140.003815               |                                    |          |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 63.0038223                |                                    |          |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -160.003815               |                                    |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 120.003822                |                                    |          |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                    |          |
| CDD_Vecu_Volt_G_f32[0]                          | 21.3700008                |                                    |          |
| CDD_Vecu_Volt_G_f32[1]                          | 20.6299992                |                                    |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 5.70000011e-005           |                                    |          |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 6.90000015e-005           |                                    |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 6881                      |                                    |          |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |          |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 1250                      |                                    |          |
| k_MtrPosComputDelay_Sec_f32                     | 2.59999997e-005           |                                    |          |
| k_NoofPoles_Uls_f32                             | 2.45000958                |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 1.79999995                |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 70.4250031                |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 65.4250031                |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.3440001                 |                                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                    |          |
| Name                                            | Actual Value              | Expected Value                     | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0222930908              | 0.0222930908 ± 0.0000152587890625  | •        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.00433159992             | 0.00433159992 ± 0.0000152587890625 | •        |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.00390163995             | 0.00390164019 ± 0.0000152587890625 | •        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 0.870573878               | 0.870573878 ± 32                   | •        |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.00382209                | 2.00382209 ± 32                    | •        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0.603174627               | 0.603174627 ± 32                   | •        |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.00382197                | 1.00382197 ± 32                    | -        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | 85.5868225                | 85.5868225 ± 0.03                  | -        |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 63.0038223                | 63.0038223 ± 0.03                  | <b>-</b> |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 90.5048904                | 90.5048904 ± 32                    | <b>-</b> |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 198.003815                | 198.003815 ± 32                    | -        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -28.8772049               | -28.8771954 ± 32                   | •        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 63.0038223                | 63.0038223 ± 32                    | -        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | 41.2301331                | 41.2301254 ± 0.03                  | •        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 120.003822                | 120.003822 ± 0.03                  | ~        |

| Name                                          | Input Value     |
|-----------------------------------------------|-----------------|
| Adc2_GetPhsBCurr_Cnt_u16_m                    | 849             |
| Adc2 GetPhsCCurr Cnt u16 m                    | 626             |
| CDD ADC2OffsetComp Cnt G u8p8                 | 32768           |
| CDD AppDataFwdPthAccessBfr Cnt G u16          | 1               |
| CDD CDDDataAccessBfr Cnt G u16                | 1               |
| CDD_CorrMtrPosElec_Rev_G_f32[0]               | 0.0179999992    |
| CDD_CorrMtrPosElec_Rev_G_f32[1]               | 0.0045864       |
| CDD_DCPhsBComp_Cnt_G_u16p0                    | 840             |
| CDD_DCPhsCComp_Cnt_G_u16p0                    | 766             |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]               | -1118           |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]               | -1118           |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]          | -0.00100000005  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]          | -0.00899999961  |
| CDD_MtrCurr1_Volts_G_f32[0]                   | 4.00407696      |
| CDD_MtrCurr1_Volts_G_f32[1]                   | 2.00407672      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]          | 0.00499999989   |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]          | 0.00600000005   |
| CDD_MtrCurr2_Volts_G_f32[0]                   | 4.00407696      |
| CDD_MtrCurr2_Volts_G_f32[1]                   | 2.00407672      |
| CDD_MtrCurrDax_Amp_G_f32[0]                   | -120.004074     |
| CDD_MtrCurrDax_Amp_G_f32[1]                   | 25.004076       |
| CDD_MtrCurrK1_Amps_G_f32[0]                   | -180.004074     |
| CDD_MtrCurrK1_Amps_G_f32[1]                   | 125.004074      |
| CDD_MtrCurrK2_Amps_G_f32[0]                   | -120.004074     |
| CDD_MtrCurrK2_Amps_G_f32[1]                   | 25.004076       |
| CDD_MtrCurrQax_Amp_G_f32[0]                   | -140.004074     |
| CDD_MtrCurrQax_Amp_G_f32[1]                   | 63.0040779      |
| CDD_MtrElecPol_Cnt_G_s8                       | 1               |
| CDD_Vecu_Volt_G_f32[0]                        | 22.3799992      |
| CDD_Vecu_Volt_G_f32[1]                        | 21.6399994      |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32 | 5.80000014e-005 |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 | 0               |

CurrDQPer1



| Name                                            | Input Value               |                                    |          |
|-------------------------------------------------|---------------------------|------------------------------------|----------|
|                                                 | 7012                      |                                    |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | -                         |                                    |          |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |          |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 1300                      |                                    |          |
| k_MtrPosComputDelay_Sec_f32                     | 2.7e-005                  |                                    |          |
| k_NoofPoles_Uls_f32                             | 2.38216853                |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 1.8999998                 |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 71.4499969                |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 21.4500008                |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.34500003                |                                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                    |          |
| Name                                            | Actual Value              | Expected Value                     | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0179999992              | 0.0179999992 ± 0.0000152587890625  | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0179443359              | 0.0179443359 ± 0.0000152587890625  | ~        |
| CDD_ElecPosDelayComp_Rad_G_f32                  | -0.0359540693             | -0.0359540693 ± 0.0000152587890625 | ~        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 4.00407696                | 4.00407696 ± 32                    | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 0.880341887               | 0.880341887 ± 32                   | •        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 4.00407696                | 4.00407696 ± 32                    | •        |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.608058631               | 0.608058631 ± 32                   | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -120.004074               | -120.004074 ± 0.03                 | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 60.4690628                | 60.4690666 ± 0.03                  | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -180.004074               | -180.004074 ± 32                   | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 61.7093887                | 61.7093964 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -120.004074               | -120.004074 ± 32                   | <b>✓</b> |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | -7.54180527               | -7.54180765 ± 32                   | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -140.004074               | -140.004074 ± 0.03                 | •        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 14.4367733                | 14.4367771 ± 0.03                  |          |





| Test Step 2.19 (Repeat Count = 1)                       |                           |                                    | ✓        |
|---------------------------------------------------------|---------------------------|------------------------------------|----------|
| Name                                                    | Input Value               |                                    |          |
| Adc2_GetPhsBCurr_Cnt_u16_m                              | 865                       |                                    |          |
| Adc2_GetPhsCCurr_Cnt_u16_m                              | 638                       |                                    |          |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                           | 34816                     |                                    |          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16                    | 0                         |                                    |          |
| CDD_CDDDataAccessBfr_Cnt_G_u16                          | 0                         |                                    |          |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                         | 0.0189999994              |                                    |          |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                         | 0.00484120008             |                                    |          |
| CDD_DCPhsBComp_Cnt_G_u16p0                              | 0                         |                                    |          |
| CDD_DCPhsCComp_Cnt_G_u16p0                              | 800                       |                                    |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                         | 1118                      |                                    |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                         | 1118                      |                                    |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                    | -0.0089999961             |                                    |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                    | -0.0080000038             |                                    |          |
| CDD_MtrCurr1_Volts_G_f32[0]                             | 2.00433159                |                                    |          |
| CDD_MtrCurr1_Volts_G_f32[1]                             | 1.00433159                |                                    |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                    | 0.0060000005              |                                    |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]                    | 0.0070000022              |                                    |          |
| CDD_MtrCurr2_Volts_G_f32[0]                             | 2.00433159                |                                    |          |
| CDD_MtrCurr2_Volts_G_f32[1]                             | 1.00433159                |                                    |          |
| CDD_MtrCurrDax_Amp_G_f32[0]                             | -200.004333               |                                    |          |
| CDD_MtrCurrDax_Amp_G_f32[1]                             | 198.004333                |                                    |          |
| CDD_MtrCurrK1_Amps_G_f32[0]                             | -160.004333               |                                    |          |
| CDD_MtrCurrK1_Amps_G_f32[1]                             | 120.004333                |                                    |          |
| CDD_MtrCurrK2_Amps_G_f32[0] CDD MtrCurrK2 Amps G f32[1] | -200.004333<br>198.004333 |                                    |          |
| CDD_MtrCurrQax_Amp_G_f32[0]                             | -120.004333               |                                    |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                             | 25.0043316                |                                    |          |
| CDD_MtrElecPol_Cnt_G_s8                                 | 1                         |                                    |          |
| CDD_Vecu_Volt_G_f32[0]                                  | 23.3899994                |                                    |          |
| CDD_Vecu_Volt_G_f32[1]                                  | 22.6499996                |                                    |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32           | 5.9000018e-005            |                                    |          |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32           | 2.0999998e-005            |                                    |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16                      | 7143                      |                                    |          |
| Rte_Inst_Sa_CmMtrCurr                                   | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |          |
| k_MtrCurrOffLoComOff_Cnt_u16                            | 1350                      |                                    |          |
| k_MtrPosComputDelay_Sec_f32                             | 2.80000004e-005           |                                    |          |
| k_NoofPoles_Uls_f32                                     | 3.81904554                |                                    |          |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32         | 2                         |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32         | 72.4749985                |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32         | 23.4750004                |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32         | 2.34599996                |                                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                 | tgt_Pim_ShCurrCal         |                                    |          |
| Name                                                    | Actual Value              | Expected Value                     | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                         | 0.0351715088              | 0.0351715088 ± 0.0000152587890625  | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                         | 0.00484120008             | 0.00484120008 ± 0.0000152587890625 | <b>✓</b> |
| CDD_ElecPosDelayComp_Rad_G_f32                          | 0.0597757027              | 0.0597757027 ± 0.0000152587890625  | ~        |
| CDD_MtrCurr1_Volts_G_f32[0]                             | 0.890109897               | 0.890109897 ± 32                   | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[1]                             | 1.00433159                | 1.00433159 ± 32                    | ~        |
| CDD_MtrCurr2_Volts_G_f32[0]                             | 0.612942636               | 0.612942636 ± 32                   | ~        |
| CDD_MtrCurr2_Volts_G_f32[1]                             | 1.00433159                | 1.00433159 ± 32                    | ~        |
| CDD_MtrCurrDax_Amp_G_f32[0]                             | 48.7584877                | 48.7584877 ± 0.03                  | ~        |
| CDD_MtrCurrDax_Amp_G_f32[1]                             | 198.004333                | 198.004333 ± 0.03                  | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]                             | 50.0360336                | 50.0360336 ± 32                    | ~        |
| CDD_MtrCurrK1_Amps_G_f32[1]                             | 120.004333                | 120.004333 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                             | -0.277046263              | -0.277046263 ± 32                  | ~        |
| CDD_MtrCurrK2_Amps_G_f32[1]                             | 198.004333                | 198.004333 ± 32                    | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]                             | 11.2379465                | 11.2379465 ± 0.03                  | ~        |
| CDD_MtrCurrQax_Amp_G_f32[1]                             | 25.0043316                | 25.0043316 ± 0.03                  |          |
|                                                         |                           |                                    |          |

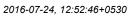
| Test Step 2.20 (Repeat Count = 1)    |               |
|--------------------------------------|---------------|
| Name                                 | Input Value   |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 881           |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 650           |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 36864         |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 1             |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 1             |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.0199999996  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.00509600015 |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 7150          |





| Name                                            | Input Value               |                                   |          |
|-------------------------------------------------|---------------------------|-----------------------------------|----------|
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 834                       |                                   |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | 0                         |                                   |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 0                         |                                   |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | -0.00800000038            |                                   |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | -0.00700000022            |                                   |          |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.00458646                |                                   |          |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.00458646                |                                   |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | -0.0250000004             |                                   |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | -0.0240000002             |                                   |          |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.00458646                |                                   |          |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 2.00458646                |                                   |          |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -180.004593               |                                   |          |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 125.004585                |                                   |          |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -140.004593               |                                   |          |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 63.0045853                |                                   |          |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -180.004593               |                                   |          |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 125.004585                |                                   |          |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -200.004593               |                                   |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 198.004593                |                                   |          |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                   |          |
| CDD_Vecu_Volt_G_f32[0]                          | 24.3999996                |                                   |          |
| CDD_Vecu_Volt_G_f32[1]                          | 23.6599998                |                                   |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 5.9999985e-005            |                                   |          |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 2.20000002e-005           |                                   |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 7274                      |                                   |          |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                   |          |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 1400                      |                                   |          |
| k_MtrPosComputDelay_Sec_f32                     | 2.9000007e-005            |                                   |          |
| k_NoofPoles_Uls_f32                             | 4.424788                  |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.0999999                 |                                   |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 73.5                      |                                   |          |
| tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32 | 25.5                      |                                   |          |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32 | 2.34699988                |                                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                   |          |
| Name                                            | Actual Value              | Expected Value                    | Result   |
| CDD CorrMtrPosElec Rev G f32[0]                 | 0.0199999996              | 0.0199999996 ± 0.0000152587890625 |          |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0276641846              | 0.0276641846 ± 0.0000152587890625 | <b>v</b> |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0                         | 0 ± 0.0000152587890625            |          |
| CDD MtrCurr1 Volts G f32[0]                     | 2.00458646                | 2.00458646 ± 32                   | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 0.899877906               | 0.899877906 ± 32                  |          |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.00458646                | 1.00458646 ± 32                   | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.617826641               | 0.617826641 ± 32                  |          |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -180.004593               | -180.004593 ± 0.03                | <b>V</b> |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 137.101196                | 137.101212 ± 0.03                 |          |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -140.004593               | -140.004593 ± 32                  | <b>V</b> |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 148.440857                | 148.440857 ± 32                   | -        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -180.004593               | -180.004593 ± 32                  | ·        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | -52.6343918               | -52.634388 ± 32                   | -        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -200.004593               | -200.004593 ± 0.03                |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 77.5134125                | 77.5134048 ± 0.03                 |          |
| 000 0a qax_/ mp_0_loz[1]                        | 11.010-120                | 11.010-0-0 ± 0.00                 | 1        |

| Test Step 2.21 (Repeat Count = 1)    | <b>✓</b>       |
|--------------------------------------|----------------|
| Name                                 | Input Value    |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 897            |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 662            |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 38912          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 0              |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 0              |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.0209999997   |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.00535080023  |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 370            |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 868            |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | 255.524994     |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | 255.524994     |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] | -0.00700000022 |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1] | -0.00600000005 |
| CDD_MtrCurr1_Volts_G_f32[0]          | 0.00484120008  |
| CDD_MtrCurr1_Volts_G_f32[1]          | 4.00484133     |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0] | -0.0240000002  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1] | -0.023         |
| CDD_MtrCurr2_Volts_G_f32[0]          | 0.00484120008  |





| Name                                            | Input Value               |                                    |                         |  |
|-------------------------------------------------|---------------------------|------------------------------------|-------------------------|--|
| CDD_MtrCurr2_Volts_G_f32[1]                     | 4.00484133                |                                    |                         |  |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -160.004837               |                                    |                         |  |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 120.004845                |                                    |                         |  |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -120.004845               |                                    |                         |  |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 25.0048409                |                                    |                         |  |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -160.004837               |                                    |                         |  |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 120.004845                |                                    |                         |  |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -180.004837               |                                    |                         |  |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 125.004845                |                                    |                         |  |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                    |                         |  |
| CDD_Vecu_Volt_G_f32[0]                          | 25.4099998                |                                    |                         |  |
| CDD_Vecu_Volt_G_f32[1]                          | 24.6700001                |                                    |                         |  |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 6.09999988e-005           |                                    |                         |  |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 2.30000005e-005           |                                    |                         |  |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 7406                      |                                    |                         |  |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |                         |  |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 1450                      |                                    |                         |  |
| k_MtrPosComputDelay_Sec_f32                     | 2.7e-005                  |                                    |                         |  |
| k_NoofPoles_Uls_f32                             | 2.19289589                |                                    |                         |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 1.8999998                 | 1.8999998                          |                         |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 71.5250015                | 71.5250015                         |                         |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 21.5249996                |                                    |                         |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.34500003                |                                    |                         |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                    |                         |  |
| Name                                            | Actual Value              | Expected Value                     | Result                  |  |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0308837891              | 0.0308837891 ± 0.0000152587890625  | -                       |  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.00535080023             | 0.00535080023 ± 0.0000152587890625 | •                       |  |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.00756458612             | 0.00756458612 ± 0.0000152587890625 | -                       |  |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 0.909645915               | 0.909645915 ± 32                   | -                       |  |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 4.00484133                | 4.00484133 ± 32                    | -                       |  |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0.622710645               | 0.622710645 ± 32                   | -                       |  |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 4.00484133                | 4.00484133 ± 32                    | -                       |  |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | 26.3302937                | 26.3302956 ± 0.03                  | <b>-</b>   <b>- - -</b> |  |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 120.004845                | 120.004845 ± 0.03                  | -                       |  |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 28.7807159                | 28.7807178 ± 32                    | •                       |  |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 25.0048409                | 25.0048409 ± 32                    | •                       |  |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -9.9062624                | -9.90625858 ± 32                   | •                       |  |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 120.004845                | 120.004845 ± 32                    | •                       |  |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | 15.2702112                | 15.2702074 ± 0.03                  | •                       |  |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 125.004845                | 125.004845 ± 0.03                  | -                       |  |

| Test Step 2.22 (Repeat Count = 1)    | ✓              |
|--------------------------------------|----------------|
| Name                                 | Input Value    |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 913            |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 674            |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 40960          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 1              |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 1              |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.0219999999   |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.00560559984  |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 12             |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 0              |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | -625.549988    |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | -625.549988    |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] | -0.00600000005 |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1] | -0.00499999989 |
| CDD_MtrCurr1_Volts_G_f32[0]          | 1.00509596     |
| CDD_MtrCurr1_Volts_G_f32[1]          | 2.00509596     |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0] | -0.023         |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1] | -0.0219999999  |
| CDD_MtrCurr2_Volts_G_f32[0]          | 1.00509596     |
| CDD_MtrCurr2_Volts_G_f32[1]          | 2.00509596     |
| CDD_MtrCurrDax_Amp_G_f32[0]          | -140.005096    |
| CDD_MtrCurrDax_Amp_G_f32[1]          | 63.0050964     |
| CDD_MtrCurrK1_Amps_G_f32[0]          | -200.005096    |
| CDD_MtrCurrK1_Amps_G_f32[1]          | 198.005096     |
| CDD_MtrCurrK2_Amps_G_f32[0]          | -140.005096    |
| CDD_MtrCurrK2_Amps_G_f32[1]          | 63.0050964     |
| CDD_MtrCurrQax_Amp_G_f32[0]          | -160.005096    |
| CDD_MtrCurrQax_Amp_G_f32[1]          | 120.005096     |
| CDD_MtrElecPol_Cnt_G_s8              | -1             |

CurrDQPer1





| Name                                            | Input Value               |                                    |          |
|-------------------------------------------------|---------------------------|------------------------------------|----------|
| CDD_Vecu_Volt_G_f32[0]                          | 26.4200001                |                                    |          |
| CDD_Vecu_Volt_G_f32[1]                          | 25.6800003                |                                    |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 6.19999992e-005           |                                    |          |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 2.40000008e-005           |                                    |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 7537                      |                                    |          |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |          |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 1500                      |                                    |          |
| k_MtrPosComputDelay_Sec_f32                     | 2.90000007e-005           |                                    |          |
| k_NoofPoles_Uls_f32                             | 4.63432026                |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.0999999                 |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 73.5500031                |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 25.5499992                |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.34699988                |                                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                    |          |
| Name                                            | Actual Value              | Expected Value                     | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.021999999               | 0.0219999999 ± 0.0000152587890625  | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.191650391               | 0.191650391 ± 0.0000152587890625   | <b>✓</b> |
| CDD_ElecPosDelayComp_Rad_G_f32                  | -0.0420354865             | -0.0420354865 ± 0.0000152587890625 | ~        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.00509596                | 1.00509596 ± 32                    | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 0.919413924               | 0.919413924 ± 32                   | ~        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.00509596                | 1.00509596 ± 32                    | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.62759465                | 0.62759465 ± 32                    | ~        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -140.005096               | -140.005096 ± 0.03                 | •        |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 33.9930801                | 33.9930878 ± 0.03                  | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -200.005096               | -200.005096 ± 32                   | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | -69.2534943               | -69.2535019 ± 32                   | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -140.005096               | -140.005096 ± 32                   | ~        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 63.0049934                | 63.0050011 ± 32                    | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -160.005096               | -160.005096 ± 0.03                 | ~        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | -87.2361526               | -87.2361603 ± 0.03                 | •        |

| Test Step 2.23 (Repeat Count = 1)               | Innut Value               |
|-------------------------------------------------|---------------------------|
| Name                                            | Input Value               |
| Adc2_GetPhsBCurr_Cnt_u16_m                      | 929                       |
| Adc2_GetPhsCCurr_Cnt_u16_m                      | 686                       |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                   | 43008                     |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16            | 0                         |
| CDD_CDDDataAccessBfr_Cnt_G_u16                  | 0                         |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.023                     |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.00586039992             |
| CDD_DCPhsBComp_Cnt_G_u16p0                      | 1                         |
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 7150                      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | -52.5750008               |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 65.5749969                |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | -0.00499999989            |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | -0.00400000019            |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.00535083                |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.00535083                |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | -0.0219999999             |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | -0.0209999997             |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 2.00535083                |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.00535083                |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -120.005348               |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 25.0053501                |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -180.005356               |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 125.005348                |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -120.005348               |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 25.0053501                |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -140.005356               |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 63.005352                 |
| CDD_MtrElecPol_Cnt_G_s8                         | -1                        |
| CDD_Vecu_Volt_G_f32[0]                          | 27.4300003                |
| CDD_Vecu_Volt_G_f32[1]                          | 26.6900005                |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 6.2999995e-005            |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 2.4999994e-005            |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 7668                      |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |
| MtrCurrOffLoComOff Cnt u16                      | 510                       |
| k_MtrPosComputDelay_Sec_f32                     | 2.9999992e-005            |
| k_NoofPoles_Uls_f32                             | 2.05782723                |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32 | 2.20000005                |

2016-07-24, 12:52:46+0530



| Name                                            | Input Value       |                                     |          |
|-------------------------------------------------|-------------------|-------------------------------------|----------|
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 74.5749969        |                                     |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 27.5750008        |                                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.34800005        |                                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal |                                     |          |
| Name                                            | Actual Value      | Expected Value                      | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.200073242       | 0.200073242 ± 0.0000152587890625    | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.00586039992     | 0.00586039992 ± 0.0000152587890625  | <b>✓</b> |
| CDD_ElecPosDelayComp_Rad_G_f32                  | -0.00162285403    | -0.00162285403 ± 0.0000152587890625 | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 0.929181933       | 0.929181933 ± 32                    | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.00535083        | 1.00535083 ± 32                     | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0.632478654       | 0.632478654 ± 32                    | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.00535083        | 1.00535083 ± 32                     | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -196.791748       | -196.791763 ± 0.03                  | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 25.0053501        | 25.0053501 ± 0.03                   | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 987.184387        | 987.184387 ± 32                     | ~        |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 125.005348        | 125.005348 ± 32                     | <b>✓</b> |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -527.141663       | -527.141663 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 25.0053501        | 25.0053501 ± 32                     | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | 220               | 220 ± 0.03                          | ~        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 63.005352         | 63.005352 ± 0.03                    | ~        |

| Name                                                                 | Input Value               |                                    |      |
|----------------------------------------------------------------------|---------------------------|------------------------------------|------|
|                                                                      | · ·                       |                                    |      |
| Add2_GetPhsBCurr_Cnt_u16_m                                           | 945                       |                                    |      |
| Adc2_GetPhsCCurr_Cnt_u16_m                                           | 698                       |                                    |      |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                                        | 45056                     |                                    |      |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16                                 | 1                         |                                    |      |
| CDD_CDDDataAccessBfr_Cnt_G_u16                                       | 1                         |                                    |      |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                                      | 0.0240000002              |                                    |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                                      | 0.0061152                 |                                    |      |
| CDD_DCPhsBComp_Cnt_G_u16p0                                           | 100                       |                                    |      |
| CDD_DCPhsCComp_Cnt_G_u16p0                                           | 370                       |                                    |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                                      | -44.5999985               |                                    |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                                      | 72.5999985                |                                    |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                                 | -0.0040000019             |                                    |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                                 | -0.0030000003             |                                    |      |
| CDD_MtrCurr1_Volts_G_f32[0]                                          | 2.0056057                 |                                    |      |
| CDD_MtrCurr1_Volts_G_f32[1]                                          | 4.0056057                 |                                    |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                                 | -0.0209999997             |                                    |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]                                 | -0.0199999996             |                                    |      |
| CDD_MtrCurr2_Volts_G_f32[0]                                          | 1.00560558                |                                    |      |
| CDD_MtrCurr2_Volts_G_f32[1]                                          | 4.0056057                 |                                    |      |
| CDD_MtrCurrDax_Amp_G_f32[0]                                          | -200.0056                 |                                    |      |
| CDD MtrCurrDax Amp G f32[1]                                          | 198.0056                  |                                    |      |
| CDD_MtrCurrK1_Amps_G_f32[0]                                          | -160.0056                 |                                    |      |
| CDD_MtrCurrK1_Amps_G_f32[1]                                          | 120.005608                |                                    |      |
| CDD_MtrCurrK2_Amps_G_f32[0]                                          | -200.0056                 |                                    |      |
| CDD_MtrCurrK2_Amps_G_f32[1]                                          | 198.0056                  |                                    |      |
| CDD_MtrCurrQax_Amp_G_f32[0]                                          | -120.005608               |                                    |      |
| CDD_MtrCurrQax_Amp_G_f32[1]                                          | 25.0056057                |                                    |      |
| CDD_MtrElecPol_Cnt_G_s8                                              | 1                         |                                    |      |
| CDD Vecu Volt G f32[0]                                               | 31                        |                                    |      |
| CDD Vecu Volt G f32[1]                                               | 30.7299995                |                                    |      |
| CDD_vecu_voit_G_i32[1] CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32 | 6.3999998e-005            |                                    |      |
| CmMtrCurr MtrCurr2OffDelta VoltpVoltCnt M f32                        | 2.59999997e-005           |                                    |      |
| MtrPos CorrectedMtrPos Rev G u0p16                                   | 7799                      |                                    |      |
|                                                                      |                           |                                    |      |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |      |
| k_MtrCurrOffLoComOff_Cnt_u16                                         | 520                       |                                    |      |
| k_MtrPosComputDelay_Sec_f32                                          | 3.0999996e-005            |                                    |      |
| k_NoofPoles_Uls_f32                                                  | 5.05101204                |                                    |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                      | 2.2999995                 |                                    |      |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32                      | 75.5999985                |                                    |      |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32                      | 29.6000004                |                                    |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                      | 2.34899998                |                                    |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                              | tgt_Pim_ShCurrCal         |                                    |      |
| Name                                                                 | Actual Value              | Expected Value                     | Resi |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                                      | 0.0240000002              | 0.0240000002 ± 0.0000152587890625  |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                                      | 0.0365753174              | 0.0365753174 ± 0.0000152587890625  |      |
| CDD_ElecPosDelayComp_Rad_G_f32                                       | 0.00568390358             | 0.00568390358 ± 0.0000152587890625 |      |
| CDD_MtrCurr1_Volts_G_f32[0]                                          | 2.0056057                 | 2.0056057 ± 32                     |      |
| CDD_MtrCurr1_Volts_G_f32[1]                                          | 0.938950002               | 0.938950002 ± 32                   |      |

2016-07-24, 12:52:46+0530





| Name                        | Actual Value | Expected Value     | Result   |
|-----------------------------|--------------|--------------------|----------|
| CDD_MtrCurr2_Volts_G_f32[0] | 1.00560558   | 1.00560558 ± 32    | ✓        |
| CDD_MtrCurr2_Volts_G_f32[1] | 0.637362659  | 0.637362659 ± 32   | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[0] | -200.0056    | -200.0056 ± 0.03   | ✓        |
| CDD_MtrCurrDax_Amp_G_f32[1] | 122.6278     | 122.627823 ± 0.03  | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[0] | -160.0056    | -160.0056 ± 32     | ✓        |
| CDD_MtrCurrK1_Amps_G_f32[1] | 120.505508   | 120.505524 ± 32    | ✓        |
| CDD_MtrCurrK2_Amps_G_f32[0] | -200.0056    | -200.0056 ± 32     | <b>✓</b> |
| CDD_MtrCurrK2_Amps_G_f32[1] | 23.2247257   | 23.2247295 ± 32    | ✓        |
| CDD_MtrCurrQax_Amp_G_f32[0] | -120.005608  | -120.005608 ± 0.03 | ✓        |
| CDD_MtrCurrQax_Amp_G_f32[1] | 4.83605194   | 4.83605194 ± 0.03  | ✓        |

| Test Step 2.25 (Repeat Count = 1)                            | Immus V-III               |                                     |       |
|--------------------------------------------------------------|---------------------------|-------------------------------------|-------|
| Name                                                         | Input Value               |                                     |       |
| Adc2_GetPhsBCurr_Cnt_u16_m                                   | 961                       |                                     |       |
| Adc2_GetPhsCCurr_Cnt_u16_m                                   | 710                       |                                     |       |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                                | 47104                     |                                     |       |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16                         | 0                         |                                     |       |
| CDD_CDDDataAccessBfr_Cnt_G_u16                               | 0                         |                                     |       |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                              | 0.0250000004              |                                     |       |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                              | 0.00637000008             |                                     |       |
| CDD_DCPhsBComp_Cnt_G_u16p0                                   | 199                       |                                     |       |
| CDD_DCPhsCComp_Cnt_G_u16p0                                   | 254                       |                                     |       |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                              | -52.625                   |                                     |       |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                              | 66.625                    |                                     |       |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                         | -0.0030000003             |                                     |       |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                         | -0.0020000009             |                                     |       |
| CDD_MtrCurr1_Volts_G_f32[0]                                  | 0.00586039992             |                                     |       |
| CDD_MtrCurr1_Volts_G_f32[1]                                  | 2.00586033                |                                     |       |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                         | -0.019999996              |                                     |       |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]                         | -0.0189999994             |                                     |       |
| CDD_MtrCurr2_Volts_G_f32[0]                                  | 0.00586039992             |                                     |       |
| CDD_MtrCurr2_Volts_G_f32[1]                                  | 1.00586045                |                                     |       |
| CDD_MtrCurrDax_Amp_G_f32[0]                                  | -180.005859               |                                     |       |
| CDD_MtrCurrDax_Amp_G_f32[1]                                  | 125.005859                |                                     |       |
| CDD_MtrCurrK1_Amps_G_f32[0]                                  | -140.005859               |                                     |       |
| CDD_MtrCurrK1_Amps_G_f32[1]                                  | 63.0058594                |                                     |       |
| CDD_MtrCurrK2_Amps_G_f32[0]                                  | -180.005859               |                                     |       |
| CDD_MtrCurrK2_Amps_G_f32[1]                                  | 125.005859                |                                     |       |
| CDD_MtrCurrQax_Amp_G_f32[0]                                  | -200.005859               |                                     |       |
| CDD_MtrCurrQax_Amp_G_f32[1]                                  | 198.005859                |                                     |       |
| CDD_MtrElecPol_Cnt_G_s8                                      | 1                         |                                     |       |
| CDD_Vecu_Volt_G_f32[0]                                       | 5.48000002                |                                     |       |
| CDD_Vecu_Volt_G_f32[1]                                       | 31                        |                                     |       |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32                | 6.50000002e-005           |                                     |       |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32                | 2.7e-005                  |                                     |       |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16                           | 7930                      |                                     |       |
| Rte_Inst_Sa_CmMtrCurr                                        | tgt_Rte_Inst_Sa_CmMtrCurr |                                     |       |
| k_MtrCurrOffLoComOff_Cnt_u16                                 | 530                       |                                     |       |
| k_MtrPosComputDelay_Sec_f32                                  | 3.1999999e-005            |                                     |       |
| k_NoofPoles_Uls_f32                                          | 4.98552084                |                                     |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32              | 2.4000001                 |                                     |       |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32              | 76.625                    |                                     |       |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32              | 31.625                    |                                     |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32              | 2.3499999                 |                                     |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                      | tgt_Pim_ShCurrCal         |                                     |       |
| Name                                                         | Actual Value              | Expected Value                      | Resu  |
| CDD CorrMtrPosElec Rev G f32[0]                              | 0.0370025635              | 0.0370025635 ± 0.0000152587890625   | Itesu |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                              | 0.00637000008             | 0.00637000008 ± 0.0000152587890625  |       |
| CDD_COMMUPOSEIEC_REV_G_I32[1] CDD ElecPosDelayComp Rad G f32 | -0.00419780845            | -0.00419780845 ± 0.0000152587890625 |       |
| CDD_ElecPosDelayComp_Rad_G_i32  CDD_MtrCurr1_Volts_G_f32[0]  | 0.948718011               | 0.948718011 ± 32                    |       |
|                                                              |                           |                                     |       |
| CDD_MtrCurr1_Volts_G_f32[1] CDD_MtrCurr2_Volts_G_f32[0]      | 2.00586033<br>0.642246664 | 2.00586033 ± 32<br>0.642246664 ± 32 |       |
| CDD_MtrCurr2_Volts_G_f32[0] CDD_MtrCurr2_Volts_G_f32[1]      | 1.00586045                | 1.00586045 ± 32                     |       |
|                                                              | 157.956451                |                                     |       |
| CDD_MtrCurrDax_Amp_G_f32[0]                                  |                           | 157.956451 ± 0.03                   |       |
| CDD_MtrCurrlA_Amp_G_f32[1]                                   | 125.005859                | 125.005859 ± 0.03                   |       |
| CDD_MtrCurrK1_Amps_G_f32[0]                                  | 155.267883                | 155.267883 ± 32                     |       |
| CDD_MtrCurrK1_Amps_G_f32[1]                                  | 63.0058594                | 63.0058594 ± 32                     |       |
| CDD_MtrCurrK2_Amps_G_f32[0]                                  | 29.8000031                | 29.8000088 ± 32                     |       |
| CDD_MtrCurrK2_Amps_G_f32[1]                                  | 125.005859<br>6.77628517  | 125.005859 ± 32                     |       |
| CDD_MtrCurrQax_Amp_G_f32[0]                                  |                           | 6.77627897 ± 0.03                   |       |

198.005859

CDD\_MtrCurrQax\_Amp\_G\_f32[1]

198.005859 ± 0.03



| Test Step 2.26 (Repeat Count = 1)               |                           |                                    | <b>~</b> |
|-------------------------------------------------|---------------------------|------------------------------------|----------|
| Name                                            | Input Value               |                                    |          |
| Adc2_GetPhsBCurr_Cnt_u16_m                      | 977                       |                                    |          |
| Adc2 GetPhsCCurr Cnt u16 m                      | 722                       |                                    |          |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                   | 49152                     |                                    |          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16            | 1                         |                                    |          |
| CDD_CDDDataAccessBfr_Cnt_G_u16                  | 1                         |                                    |          |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0260000005              |                                    |          |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.00662480015             |                                    |          |
| CDD_DCPhsBComp_Cnt_G_u16p0                      | 298                       |                                    |          |
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 364                       |                                    |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | -44.6500015               |                                    |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 73.6500015                |                                    |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | -0.00200000009            |                                    |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | -0.0010000005             |                                    |          |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.0061152                 |                                    |          |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.0061152                 |                                    |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | -0.0189999994             |                                    |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | -0.0179999992             |                                    |          |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.0061152                 |                                    |          |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 2.0061152                 |                                    |          |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -160.006119               |                                    |          |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 120.006119                |                                    |          |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -120.006119               |                                    |          |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 25.006115                 |                                    |          |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -160.006119               |                                    |          |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 120.006119                |                                    |          |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -180.006119               |                                    |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 125.006119                |                                    |          |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                    |          |
| CDD_Vecu_Volt_G_f32[0]                          | 5                         |                                    |          |
| CDD_Vecu_Volt_G_f32[1]                          | 5                         |                                    |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 6.60000005e-005           |                                    |          |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 2.80000004e-005           |                                    |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 8061                      |                                    |          |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |          |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 540                       |                                    |          |
| k_MtrPosComputDelay_Sec_f32                     | 3.30000003e-005           |                                    |          |
| k_NoofPoles_Uls_f32                             | 5.24843407                |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.5                       |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 77.6500015                |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 33.6500015                |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.35100007                |                                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                    |          |
| Name                                            | Actual Value              | Expected Value                     | Resul    |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0260000005              | 0.0260000005 ± 0.0000152587890625  | •        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0406951904              | 0.0406951904 ± 0.0000152587890625  | •        |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.00637802854             | 0.00637802854 ± 0.0000152587890625 | •        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.0061152                 | 1.0061152 ± 32                     | •        |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 0.958486021               | 0.958486021 ± 32                   | •        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.0061152                 | 1.0061152 ± 32                     | •        |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.647130668               | 0.647130668 ± 32                   | •        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -160.006119               | -160.006119 ± 0.03                 | •        |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 173.842072                | 173.842056 ± 0.03                  | •        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -120.006119               | -120.006119 ± 32                   |          |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 170.700455                | 170.700455 ± 32                    | •        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -160.006119               | -160.006119 ± 32                   | •        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 34.3647728                | 34.3647728 ± 32                    | •        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -180.006119               | -180.006119 ± 0.03                 |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 9.92577744                | 9.92577648 ± 0.03                  |          |

| Test Step 2.27 (Repeat Count = 1)    |             | <b>✓</b> |
|--------------------------------------|-------------|----------|
| Name                                 | Input Value |          |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 993         |          |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 734         |          |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 51200       |          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 0           |          |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 0           |          |

CurrDQPer1

2016-07-24, 12:52:46+0530



Input Value CDD\_CorrMtrPosElec\_Rev\_G\_f32[0] 0.0270000007 CDD\_CorrMtrPosElec\_Rev\_G\_f32[1] 0.00687960023 CDD\_DCPhsBComp\_Cnt\_G\_u16p0 397 CDD\_DCPhsCComp\_Cnt\_G\_u16p0 CDD\_MRFMtrVel\_MtrRadpS\_G\_f32[0] -52.6749992 CDD\_MRFMtrVel\_MtrRadpS\_G\_f32[1] 67.6750031 CDD\_MtrCurr1TempOffset\_Volt\_G\_f32[0] -0.00100000005  $CDD\_MtrCurr1TempOffset\_Volt\_G\_f32[1]$ CDD\_MtrCurr1\_Volts\_G\_f32[0] 2.00637007 CDD\_MtrCurr1\_Volts\_G\_f32[1] 1 00636995 CDD\_MtrCurr2TempOffset\_Volt\_G\_f32[0] -0.0179999992 CDD\_MtrCurr2TempOffset\_Volt\_G\_f32[1] -0.0170000009 CDD\_MtrCurr2\_Volts\_G\_f32[0] 1.00636995 CDD MtrCurr2 Volts G f32[1] 2 00637007 CDD\_MtrCurrDax\_Amp\_G\_f32[0] -140.006363 CDD\_MtrCurrDax\_Amp\_G\_f32[1] 63.0063705 CDD\_MtrCurrK1\_Amps\_G\_f32[0] -200.006363 CDD\_MtrCurrK1\_Amps\_G\_f32[1] 198.006363 CDD\_MtrCurrK2\_Amps\_G\_f32[0] -140.006363 CDD\_MtrCurrK2\_Amps\_G\_f32[1] 63.0063705 CDD\_MtrCurrQax\_Amp\_G\_f32[0] -160.006363 CDD\_MtrCurrQax\_Amp\_G\_f32[1] 120.006371 CDD\_MtrElecPol\_Cnt\_G\_s8 -1 CDD\_Vecu\_Volt\_G\_f32[0] 31 CDD\_Vecu\_Volt\_G\_f32[1] 31  $CmMtrCurr\_MtrCurr1OffDelta\_VoltpVoltCnt\_M\_f32$ 6.70000009e-005 CmMtrCurr\_MtrCurr2OffDelta\_VoltpVoltCnt\_M\_f32 2.90000007e-005 MtrPos\_CorrectedMtrPos\_Rev\_G\_u0p16 Rte Inst Sa CmMtrCurr tgt Rte Inst Sa CmMtrCurr  $k\_MtrCurrOffLoComOff\_Cnt\_u16$ 550 k\_MtrPosComputDelay\_Sec\_f32 3.40000006e-005 k\_NoofPoles\_Uls\_f32 4 24585629 tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32 2.5999999  $tgt\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32$ 78 6750031  $tgt\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32$ 35.6749992 tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32 2.352 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_ShCurrCal tgt\_Pim\_ShCurrCal Name **Actual Value Expected Value** Result 0.207717896 ± 0.0000152587890625 CDD CorrMtrPosElec Rev G f32[0] 0.207717896 CDD\_CorrMtrPosElec\_Rev\_G\_f32[1] 0.00687960023  $0.00687960023 \pm 0.0000152587890625$ CDD ElecPosDelayComp\_Rad\_G\_f32 -0.00380205829  $-0.00380205805 \pm 0.0000152587890625$ CDD\_MtrCurr1\_Volts\_G\_f32[0] 0.96825403 0.96825403 ± 32 CDD\_MtrCurr1\_Volts\_G\_f32[1] 1.00636995 1.00636995 ± 32 CDD\_MtrCurr2\_Volts\_G\_f32[0] 0.652014673 0.652014673 ± 32 CDD\_MtrCurr2\_Volts\_G\_f32[1] 2.00637007 2.00637007 ± 32

| Test Step 2.28 (Repeat Count = 1)    |               | <u> </u> |
|--------------------------------------|---------------|----------|
| Name                                 | Input Value   |          |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 1009          |          |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 746           |          |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 53248         |          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 1             |          |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 1             |          |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.0280000009  |          |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.00713439984 |          |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 496           |          |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 584           |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | -44.7000008   |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | 74.6999969    |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] | 0             |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1] | 0.00100000005 |          |
| CDD_MtrCurr1_Volts_G_f32[0]          | 2.0066247     |          |
| CDD_MtrCurr1_Volts_G_f32[1]          | 1.00662482    |          |

11.0291557

63.0063705

170 977768

198.006363

-35 0925484

63.0063705

174.193115

120.006371

11.0291672 ± 0.03

63.0063705 ± 0.03

170 977753 + 32

198.006363 ± 32

-35 0925369 + 32

63.0063705 ± 32

174.1931 ± 0.03

120.006371 ± 0.03

CDD\_MtrCurrDax\_Amp\_G\_f32[0]

CDD\_MtrCurrDax\_Amp\_G\_f32[1]

CDD\_MtrCurrK1\_Amps\_G\_f32[0]

CDD\_MtrCurrK1\_Amps\_G\_f32[1]

CDD\_MtrCurrK2\_Amps\_G\_f32[0]

CDD\_MtrCurrK2\_Amps\_G\_f32[1]

CDD MtrCurrQax\_Amp\_G\_f32[0]

CDD\_MtrCurrQax\_Amp\_G\_f32[1]





| Name                                            | Input Value               |                                    |          |
|-------------------------------------------------|---------------------------|------------------------------------|----------|
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | -0.0170000009             |                                    |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | -0.0160000008             |                                    |          |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.00662482                |                                    |          |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 2.0066247                 |                                    |          |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -120.006622               |                                    |          |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 25.0066242                |                                    |          |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -180.006622               |                                    |          |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 125.006622                |                                    |          |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -120.006622               |                                    |          |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 25.0066242                |                                    |          |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -140.006622               |                                    |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 63.0066261                |                                    |          |
| CDD_MtrElecPol_Cnt_G_s8                         | -1                        |                                    |          |
| CDD_Vecu_Volt_G_f32[0]                          | 15.5                      |                                    |          |
| CDD_Vecu_Volt_G_f32[1]                          | 15.5                      |                                    |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 6.80000012e-005           |                                    |          |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 2.9999992e-005            |                                    |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 8323                      |                                    |          |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |          |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 560                       |                                    |          |
| k_MtrPosComputDelay_Sec_f32                     | 3.50000009e-005           |                                    |          |
| k_NoofPoles_Uls_f32                             | 3.36197019                |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.70000005                |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 79.6999969                |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 37.7000008                |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.35299993                |                                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                    |          |
| Name                                            | Actual Value              | Expected Value                     | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0280000009              | 0.0280000009 ± 0.0000152587890625  | -        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.211029053               | 0.211029053 ± 0.0000152587890625   | <b>✓</b> |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.00439493544             | 0.00439493544 ± 0.0000152587890625 | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.0066247                 | 2.0066247 ± 32                     | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 0.978022039               | 0.978022039 ± 32                   | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.00662482                | 1.00662482 ± 32                    | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.656898677               | 0.656898677 ± 32                   | -        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -120.006622               | -120.006622 ± 0.03                 | •        |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 5.66462708                | 5.66462898 ± 0.03                  | -        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -180.006622               | -180.006622 ± 32                   | •        |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 201.555283                | 201.555283 ± 32                    | -        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -120.006622               | -120.006622 ± 32                   | •        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | -44.5249748               | -44.5249748 ± 32                   | -        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -140.006622               | -140.006622 ± 0.03                 | •        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 206.336914                | 206.336899 ± 0.03                  | -        |

| Test Step 2.29 (Repeat Count = 1)    |               | ~ |
|--------------------------------------|---------------|---|
| Name                                 | Input Value   |   |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 0             |   |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 518           |   |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 55296         |   |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 0             |   |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 0             |   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.0089999961  |   |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.0022932     |   |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 1             |   |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 7150          |   |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | 122.224998    |   |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | 146.225006    |   |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] | 0.00100000005 |   |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1] | 0.00200000009 |   |
| CDD_MtrCurr1_Volts_G_f32[0]          | 0.00687960023 |   |
| CDD_MtrCurr1_Volts_G_f32[1]          | 2.00687957    |   |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0] | -0.0160000008 |   |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1] | -0.0149999997 |   |
| CDD_MtrCurr2_Volts_G_f32[0]          | 0.00687960023 |   |
| CDD_MtrCurr2_Volts_G_f32[1]          | 1.00687957    |   |
| CDD_MtrCurrDax_Amp_G_f32[0]          | -200.001785   |   |
| CDD_MtrCurrDax_Amp_G_f32[1]          | 198.001785    |   |
| CDD_MtrCurrK1_Amps_G_f32[0]          | -160.001785   |   |
| CDD_MtrCurrK1_Amps_G_f32[1]          | 120.001785    |   |
| CDD_MtrCurrK2_Amps_G_f32[0]          | -200.001785   |   |
| CDD_MtrCurrK2_Amps_G_f32[1]          | 198.001785    |   |

CurrDQPer1

2016-07-24, 12:52:46+0530



| Name                                            | Input Value               |                                   |          |
|-------------------------------------------------|---------------------------|-----------------------------------|----------|
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -120.001785               |                                   |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 25.0017834                |                                   |          |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                   |          |
| CDD_Vecu_Volt_G_f32[0]                          | 6.48999977                |                                   |          |
| CDD_Vecu_Volt_G_f32[1]                          | 5.21000004                |                                   |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 6.90000015e-005           |                                   |          |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 0                         |                                   |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 5833                      |                                   |          |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                   |          |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 570                       |                                   |          |
| k_MtrPosComputDelay_Sec_f32                     | 0.000140000004            |                                   |          |
| k_NoofPoles_Uls_f32                             | 4.78002453                |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 1                         |                                   |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 65.2249985                |                                   |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 97.2249985                |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 1                         |                                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                   |          |
| Name                                            | Actual Value              | Expected Value                    | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0121917725              | 0.0121917725 ± 0.0000152587890625 | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0022932                 | 0.0022932 ± 0.0000152587890625    | <b>✓</b> |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.0408966951              | 0.0408966951 ± 0.0000152587890625 | •        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 0                         | 0 ± 32                            | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.00687957                | 2.00687957 ± 32                   | •        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0.368742377               | 0.368742377 ± 32                  | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.00687957                | 1.00687957 ± 32                   | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | 220                       | 220 ± 0.03                        | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 198.001785                | 198.001785 ± 0.03                 | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 317.299957                | 317.299957 ± 32                   | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 120.001785                | 120.001785 ± 32                   | <b>✓</b> |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | 114.120804                | 114.120804 ± 32                   | <b>✓</b> |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 198.001785                | 198.001785 ± 32                   | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -89.5037155               | -89.5037155 ± 0.03                | •        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 25.0017834                | 25.0017834 ± 0.03                 | •        |

| Name                                                  | Input Value               |  |
|-------------------------------------------------------|---------------------------|--|
| Adc2 GetPhsBCurr Cnt u16 m                            | 4095                      |  |
| Adc2_GetPhsCCurr_Cnt_u16_m Adc2_GetPhsCCurr_Cnt_u16_m | 770                       |  |
|                                                       |                           |  |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                         | 57344                     |  |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16                  |                           |  |
| CDD_CDDDataAccessBfr_Cnt_G_u16                        | 1                         |  |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                       | 0.029999993               |  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                       | 0.007644                  |  |
| CDD_DCPhsBComp_Cnt_G_u16p0                            | 694                       |  |
| CDD_DCPhsCComp_Cnt_G_u16p0                            | 804                       |  |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                       | -44.75                    |  |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                       | 75.75                     |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                  | 0.00200000009             |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                  | 0.00300000003             |  |
| CDD_MtrCurr1_Volts_G_f32[0]                           | 1.00713444                |  |
| CDD_MtrCurr1_Volts_G_f32[1]                           | 4.00713444                |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                  | -0.0149999997             |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]                  | -0.0140000004             |  |
| CDD_MtrCurr2_Volts_G_f32[0]                           | 1.00713444                |  |
| CDD_MtrCurr2_Volts_G_f32[1]                           | 4.00713444                |  |
| CDD_MtrCurrDax_Amp_G_f32[0]                           | -180.007141               |  |
| CDD_MtrCurrDax_Amp_G_f32[1]                           | 125.007133                |  |
| CDD_MtrCurrK1_Amps_G_f32[0]                           | -140.007141               |  |
| CDD_MtrCurrK1_Amps_G_f32[1]                           | 63.0071335                |  |
| CDD_MtrCurrK2_Amps_G_f32[0]                           | -180.007141               |  |
| CDD_MtrCurrK2_Amps_G_f32[1]                           | 125.007133                |  |
| CDD_MtrCurrQax_Amp_G_f32[0]                           | -200.007141               |  |
| CDD_MtrCurrQax_Amp_G_f32[1]                           | 198.007141                |  |
| CDD_MtrElecPol_Cnt_G_s8                               | 1.                        |  |
| CDD_Vecu_Volt_G_f32[0]                                | 7.5                       |  |
| CDD_Vecu_Volt_G_f32[1]                                | 6.21999979                |  |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32         | 3.0999996e-005            |  |
| CmMtrCurr MtrCurr2OffDelta VoltpVoltCnt M f32         | 5.50000004e-005           |  |
| MtrPos CorrectedMtrPos Rev G u0p16                    | 8585                      |  |
| Rte Inst Sa CmMtrCurr                                 | tgt Rte Inst Sa CmMtrCurr |  |
| k MtrCurrOffLoComOff Cnt u16                          | 580                       |  |

@ Report created by TESSY V3.1.13, report template V2.1

2016-07-24, 12:52:46+0530



| Name                                            | Input Value       |                                    |          |
|-------------------------------------------------|-------------------|------------------------------------|----------|
| k_MtrPosComputDelay_Sec_f32                     | 3.70000016e-005   |                                    |          |
| k_NoofPoles_Uls_f32                             | 3.34244037        |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.9000001         |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 81.75             |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 41.75             |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.35500002        |                                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal |                                    |          |
| Name                                            | Actual Value      | Expected Value                     | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.029999993       | 0.0299999993 ± 0.0000152587890625  | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0484161377      | 0.0484161377 ± 0.0000152587890625  | •        |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.00468401285     | 0.00468401238 ± 0.0000152587890625 | ~        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.00713444        | 1.00713444 ± 32                    | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 4.72649574        | 4.72649574 ± 32                    | ~        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.00713444        | 1.00713444 ± 32                    | •        |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.66666687        | 0.666666687 ± 32                   | ~        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -180.007141       | -180.007141 ± 0.03                 | •        |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | -108.149971       | -108.149971 ± 0.03                 | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -140.007141       | -140.007141 ± 32                   | •        |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | -74.0082169       | -74.0082169 ± 32                   | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -180.007141       | -180.007141 ± 32                   | •        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | -125.326233       | -125.326233 ± 32                   | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -200.007141       | -200.007141 ± 0.03                 | <b>~</b> |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 97.4036179        | 97.4036179 ± 0.03                  | ~        |

| Test Step 2.31 (Repeat Count = 1)               | 1 (1)                     |                                    |      |
|-------------------------------------------------|---------------------------|------------------------------------|------|
| Name                                            | Input Value               |                                    |      |
| Adc2_GetPhsBCurr_Cnt_u16_m                      | 2047                      |                                    |      |
| Adc2_GetPhsCCurr_Cnt_u16_m                      | 782                       |                                    |      |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                   | 59392                     |                                    |      |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16            | 0                         |                                    |      |
| CDD_CDDDataAccessBfr_Cnt_G_u16                  | 0                         |                                    |      |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0309999995              |                                    |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.00789880008             |                                    |      |
| CDD_DCPhsBComp_Cnt_G_u16p0                      | 793                       |                                    |      |
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 914                       |                                    |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | -52.7750015               |                                    |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 69.7750015                |                                    |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | 0.0030000003              |                                    |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | 0.0040000019              |                                    |      |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.00968242                |                                    |      |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.00968242                |                                    |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | -0.0140000004             |                                    |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | -0.0130000003             |                                    |      |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.00968242                |                                    |      |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 2.00968242                |                                    |      |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -160.007385               |                                    |      |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 120.007393                |                                    |      |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -120.007393               |                                    |      |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 25.0073891                |                                    |      |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -160.007385               |                                    |      |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 120.007393                |                                    |      |
| CDD MtrCurrQax Amp G f32[0]                     | -180.007385               |                                    |      |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 125.007393                |                                    |      |
| CDD_MtrElecPol_Cnt_G_s8                         | -1                        |                                    |      |
| CDD_Vecu_Volt_G_f32[0]                          | 8.51000023                |                                    |      |
| CDD_Vecu_Volt_G_f32[1]                          | 7.23000002                |                                    |      |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 3.1999999e-005            |                                    |      |
| CmMtrCurr MtrCurr2OffDelta VoltpVoltCnt M f32   | 5.60000008e-005           |                                    |      |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 8716                      |                                    |      |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |      |
| MtrCurrOffLoComOff Cnt u16                      | 590                       |                                    |      |
| k MtrPosComputDelay Sec f32                     | 3.79999983e-005           |                                    |      |
| <_NoofPoles_Uls_f32                             | 3.50456953                |                                    |      |
| gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  | 3.50450955                |                                    |      |
| gt_Pim_ShCurrCal.EOLMirCurr1Gain_AmpspVolt_f32  | 82.7750015                |                                    |      |
| gt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32  | 43.7750015                |                                    |      |
| gt_Pim_ShCurrCal.EOLPriscurr2Gain_Ampspvoit_isz | 2.35599995                |                                    |      |
|                                                 |                           |                                    |      |
| gt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal          | tgt_Pim_ShCurrCal         |                                    |      |
| Name                                            | Actual Value              | Expected Value                     | Resu |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.215759277               | 0.215759277 ± 0.0000152587890625   |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.00789880008             | 0.00789880008 ± 0.0000152587890625 |      |





| Name                           | Actual Value   | Expected Value                      | Result   |
|--------------------------------|----------------|-------------------------------------|----------|
| CDD_ElecPosDelayComp_Rad_G_f32 | -0.00351411942 | -0.00351411942 ± 0.0000152587890625 | ~        |
| CDD_MtrCurr1_Volts_G_f32[0]    | 2.21611738     | 2.21611738 ± 32                     | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[1]    | 2.00968242     | 2.00968242 ± 32                     | ~        |
| CDD_MtrCurr2_Volts_G_f32[0]    | 0.671550691    | 0.671550691 ± 32                    | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[1]    | 2.00968242     | 2.00968242 ± 32                     | ~        |
| CDD_MtrCurrDax_Amp_G_f32[0]    | 34.7550278     | 34.7550278 ± 0.03                   | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[1]    | 120.007393     | 120.007393 ± 0.03                   | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]    | 149.796356     | 149.796356 ± 32                     | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[1]    | 25.0073891     | 25.0073891 ± 32                     | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]    | 2.84126139     | 2.84126139 ± 32                     | <b>✓</b> |
| CDD_MtrCurrK2_Amps_G_f32[1]    | 120.007393     | 120.007393 ± 32                     | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]    | 145.736435     | 145.736435 ± 0.03                   | <b>✓</b> |
| CDD_MtrCurrQax_Amp_G_f32[1]    | 125.007393     | 125.007393 ± 0.03                   | ~        |

| Test Step 2.32 (Repeat Count = 1)                  | Innué Veles               |                                   |      |
|----------------------------------------------------|---------------------------|-----------------------------------|------|
| Name                                               | Input Value               |                                   |      |
| Adc2_GetPhsBCurr_Cnt_u16_m                         | 1100                      |                                   |      |
| Adc2_GetPhsCCurr_Cnt_u16_m                         | 0                         |                                   |      |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                      | 61440                     |                                   |      |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16               | 1                         |                                   |      |
| CDD_CDDDataAccessBfr_Cnt_G_u16                     | 1                         |                                   |      |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                    | 0.0320000015              |                                   |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                    | 0.00815359969             |                                   |      |
| CDD_DCPhsBComp_Cnt_G_u16p0                         | 892                       |                                   |      |
| CDD_DCPhsCComp_Cnt_G_u16p0                         | 1024                      |                                   |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                    | -44.7999992               |                                   |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                    | 76.8000031                |                                   |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]               | 0.0040000019              |                                   |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]               | 0.0049999989              |                                   |      |
| CDD_MtrCurr1_Volts_G_f32[0]                        | 2.00764394                |                                   |      |
| CDD_MtrCurr1_Volts_G_f32[1]                        | 1.00764406                |                                   |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]               | -0.0130000003             |                                   |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]               | -0.0120000001             |                                   |      |
| CDD_MtrCurr2_Volts_G_f32[0]                        | 1.00764406                |                                   |      |
| CDD_MtrCurr2_Volts_G_f32[1]                        | 2.00764394                |                                   |      |
| CDD_MtrCurrDax_Amp_G_f32[0]                        | -140.007645               |                                   |      |
| CDD_MtrCurrDax_Amp_G_f32[1]                        | 63.0076447                |                                   |      |
| CDD_MtrCurrK1_Amps_G_f32[0]                        | -200.007645               |                                   |      |
| CDD_MtrCurrK1_Amps_G_f32[1]                        | 198.007645                |                                   |      |
| CDD_MtrCurrK2_Amps_G_f32[0]                        | -140.007645               |                                   |      |
| CDD_MtrCurrK2_Amps_G_f32[1]                        | 63.0076447                |                                   |      |
| CDD_MtrCurrQax_Amp_G_f32[0]                        | -160.007645               |                                   |      |
| CDD_MtrCurrQax_Amp_G_f32[1]                        | 120.007645                |                                   |      |
| CDD_MtrElecPol_Cnt_G_s8                            | 1                         |                                   |      |
| CDD_Vecu_Volt_G_f32[0]                             | 9.52000046                |                                   |      |
| CDD_Vecu_Volt_G_f32[1]                             | 8.23999977                |                                   |      |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32      | 3.30000003e-005           |                                   |      |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32      | 5.70000011e-005           |                                   |      |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16                 | 8847                      |                                   |      |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr |                                   |      |
| <pre>ck_MtrCurrOffLoComOff_Cnt_u16</pre>           | 600                       |                                   |      |
| <pre></pre> <pre>K_MtrPosComputDelay_Sec_f32</pre> | 3.89999987e-005           |                                   |      |
| <_NoofPoles_Uls_f32                                | 5.22677374                |                                   |      |
| gt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32     | 1                         |                                   |      |
| tgt Pim ShCurrCal.EOLPhscurr1Gain AmpspVolt f32    | 83.8000031                |                                   |      |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 45.7999992                |                                   |      |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32    | 2.35700011                |                                   |      |
| tgt Rte Inst Sa CmMtrCurr.Pim ShCurrCal            | tgt_Pim_ShCurrCal         |                                   |      |
| <del></del>                                        |                           | Function Value                    | Dage |
| Name                                               | Actual Value              | Expected Value                    | Resu |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                    | 0.0320000015              | 0.0320000015 ± 0.0000152587890625 |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                    | 0.0529174805              | 0.0529174805 ± 0.0000152587890625 |      |
| CDD_ElecPosDelayComp_Rad_G_f32                     | 0.0078276163              | 0.0078276163 ± 0.0000152587890625 |      |
| CDD_MtrCurr1_Volts_G_f32[0]                        | 2.00764394                | 2.00764394 ± 32                   |      |
| CDD_MtrCurr1_Volts_G_f32[1]                        | 1.05006111                | 1.05006111 ± 32                   |      |
| CDD_MtrCurr2_Volts_G_f32[0]                        | 1.00764406                | 1.00764406 ± 32                   |      |
| CDD_MtrCurr2_Volts_G_f32[1]                        | 0                         | 0 ± 32                            |      |
| CDD_MtrCurrDax_Amp_G_f32[0]                        | -140.007645               | -140.007645 ± 0.03                |      |
| CDD_MtrCurrDax_Amp_G_f32[1]                        | 92.7055206                | 92.7055359 ± 0.03                 |      |
| CDD_MtrCurrK1_Amps_G_f32[0]                        | -200.007645               | -200.007645 ± 32                  |      |
| CDD_MtrCurrK1_Amps_G_f32[1]                        | 119.567825                | 119.567841 ± 32                   |      |
| CDD_MtrCurrK2_Amps_G_f32[0]                        | -140.007645               | -140.007645 ± 32                  |      |

CurrDQPer1



| Name                        | Actual Value | Expected Value     | Result   |
|-----------------------------|--------------|--------------------|----------|
| CDD_MtrCurrK2_Amps_G_f32[1] | -62.2364769  | -62.2364807 ± 32   | <b>✓</b> |
| CDD_MtrCurrQax_Amp_G_f32[0] | -160.007645  | -160.007645 ± 0.03 | <b>✓</b> |
| CDD MtrCurrOoy Amp C f22[1] | 07.0546274   | 07 0546440 + 0 02  |          |

| Test Step 2.33 (Repeat Count = 1)               |                           |                                    | -4     |
|-------------------------------------------------|---------------------------|------------------------------------|--------|
|                                                 | Innut Value               |                                    |        |
| Name                                            | Input Value               |                                    |        |
| Adc2_GetPhsBCurr_Cnt_u16_m                      | 1100                      |                                    |        |
| Adc2_GetPhsCCurr_Cnt_u16_m                      | 4095                      |                                    |        |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                   | 61440                     |                                    |        |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16            | 1                         |                                    |        |
| CDD_CDDDataAccessBfr_Cnt_G_u16                  | 1                         |                                    |        |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0320000015              |                                    |        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.00815359969             |                                    |        |
| CDD_DCPhsBComp_Cnt_G_u16p0                      | 991                       |                                    |        |
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 1024                      |                                    |        |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | -44.7999992               |                                    |        |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 76.8000031                |                                    |        |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | 0.00400000019             |                                    |        |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | 0.0049999989              |                                    |        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.00764394                |                                    |        |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.00764406                |                                    |        |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | -0.0130000003             |                                    |        |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | -0.0120000001             |                                    |        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.00764406                |                                    |        |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 2.00764394                |                                    |        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -140.007645               |                                    |        |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 63.0076447                |                                    |        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -200.007645               |                                    |        |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 198.007645                |                                    |        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -140.007645               |                                    |        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 63.0076447                |                                    |        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -160.007645               |                                    |        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 120.007645                |                                    |        |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                    |        |
| CDD_Vecu_Volt_G_f32[0]                          | 9.52000046                |                                    |        |
| CDD_Vecu_Volt_G_f32[1]                          | 8.23999977                |                                    |        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 3.30000003e-005           |                                    |        |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 5.70000011e-005           |                                    |        |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 8847                      |                                    |        |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |        |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 600                       |                                    |        |
| k_MtrPosComputDelay_Sec_f32                     | 3.89999987e-005           |                                    |        |
| k_NoofPoles_Uls_f32                             | 6                         |                                    |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 1                         |                                    |        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 83.8000031                |                                    |        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 45.7999992                |                                    |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.35700011                |                                    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                    |        |
| Name                                            | Actual Value              | Expected Value                     | Result |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0320000015              | 0.0320000015 ± 0.0000152587890625  | •      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0531005859              | 0.0531005859 ± 0.0000152587890625  |        |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.00898560043             | 0.00898560043 ± 0.0000152587890625 | -      |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.00764394                | 2.00764394 ± 32                    |        |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.05006111                | 1.05006111 ± 32                    | •      |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.00764406                | 1.00764406 ± 32                    |        |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 4.70695972                | 4.70695972 ± 32                    |        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -140.007645               | -140.007645 ± 0.03                 |        |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | -68.7282639               | -68.7282562 ± 0.03                 |        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -200.007645               | -200.007645 ± 32                   |        |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | -93.8813019               | -93.8812866 ± 32                   |        |
| CDD MtrCurrK2 Amps G f32[0]                     | -140.007645               | -140.007645 ± 32                   | •      |
| CDD MtrCurrK2 Amps G f32[1]                     | 60.9983826                | 60.9983749 ± 32                    | -      |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -160.007645               | -160.007645 ± 0.03                 | •      |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | -88.3794479               | -88.3794327 ± 0.03                 | -      |
|                                                 |                           |                                    |        |

| Test Step 2.34 (Repeat Count = 1) | ✓           |
|-----------------------------------|-------------|
| Name                              | Input Value |
| Adc2_GetPhsBCurr_Cnt_u16_m        | 881         |





| Name                                              | Input Value               |                                   |          |
|---------------------------------------------------|---------------------------|-----------------------------------|----------|
| Adc2_GetPhsCCurr_Cnt_u16_m                        | 2047                      |                                   |          |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                     | 1024                      |                                   |          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16              | 1                         |                                   |          |
| CDD_CDDDataAccessBfr_Cnt_G_u16                    | 1                         |                                   |          |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                   | 0.019999996               |                                   |          |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                   | 0.00509600015             |                                   |          |
| CDD_DCPhsBComp_Cnt_G_u16p0                        | 1090                      |                                   |          |
| CDD_DCPhsCComp_Cnt_G_u16p0                        | 1244                      |                                   |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                   | 0                         |                                   |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                   | 0                         |                                   |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]              | 0.0060000005              |                                   |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]              | 0.00700000022             |                                   |          |
| CDD_MtrCurr1_Volts_G_f32[0]                       | 1.00815356                |                                   |          |
| CDD_MtrCurr1_Volts_G_f32[1]                       | 2.00815368                |                                   |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]              | -0.0109999999             |                                   |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]              | -0.0099999978             |                                   |          |
| CDD_MtrCurr2_Volts_G_f32[0]                       | 1.00815356                |                                   |          |
| CDD_MtrCurr2_Volts_G_f32[1]                       | 2.00815368                |                                   |          |
| CDD_MtrCurrDax_Amp_G_f32[0]                       | -180.004593               |                                   |          |
| CDD_MtrCurrDax_Amp_G_f32[1]                       | 125.004585                |                                   |          |
| CDD_MtrCurrK1_Amps_G_f32[0]                       | -140.004593               |                                   |          |
| CDD MtrCurrK1 Amps G f32[1]                       | 63.0045853                |                                   |          |
| CDD MtrCurrK2 Amps G f32[0]                       | -180.004593               |                                   |          |
| CDD MtrCurrK2 Amps G f32[1]                       | 125.004585                |                                   |          |
| CDD_MtrCurrQax_Amp_G_f32[0]                       | -200.004593               |                                   |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                       | 198.004593                |                                   |          |
| CDD MtrElecPol Cnt G s8                           | 1                         |                                   |          |
| CDD Vecu Volt G f32[0]                            | 11.54                     |                                   |          |
| CDD_Vecu_Volt_G_f32[1]                            | 10.2600002                |                                   |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32     | 3.50000009e-005           |                                   |          |
| CmMtrCurr MtrCurr2OffDelta VoltpVoltCnt M f32     | 1.49999996e-005           |                                   |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16                | 7274                      |                                   |          |
| Rte Inst Sa CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                                   |          |
| k_MtrCurrOffLoComOff_Cnt_u16                      | 620                       |                                   |          |
| k_MtrPosComputDelay_Sec_f32                       | 2.90000007e-005           |                                   |          |
| k_NoofPoles_Uls_f32                               | 5.82730293                |                                   |          |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32   | 2.0999999                 |                                   |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 73.5                      |                                   |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 25.5                      |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.34699988                |                                   |          |
| tgt_rin_SilcurrCai.EoEiwitcurr2oiisetto_voits_i32 | tgt_Pim_ShCurrCal         |                                   |          |
|                                                   |                           | Funcated Value                    | Daguilé  |
| Name                                              | Actual Value              | Expected Value                    | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                   | 0.019999996               | 0.0199999996 ± 0.0000152587890625 | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                   | 0.0276641846              | 0.0276641846 ± 0.0000152587890625 | ~        |
| CDD_ElecPosDelayComp_Rad_G_f32                    | 0                         | 0 ± 0.0000152587890625            |          |
| CDD_MtrCurr1_Volts_G_f32[0]                       | 1.00815356                | 1.00815356 ± 32                   | <b>~</b> |
| CDD_MtrCurr1_Volts_G_f32[1]                       | 1.07081807                | 1.07081807 ± 32                   | ~        |
| CDD_MtrCurr2_Volts_G_f32[0]                       | 1.00815356                | 1.00815356 ± 32                   | ~        |
| CDD_MtrCurr2_Volts_G_f32[1]                       | 2.49450564                | 2.49450564 ± 32                   | <b>~</b> |
| CDD_MtrCurrDax_Amp_G_f32[0]                       | -180.004593               | -180.004593 ± 0.03                | ~        |
| CDD_MtrCurrDax_Amp_G_f32[1]                       | 98.5600433                | 98.5600433 ± 0.03                 | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]                       | -140.004593               | -140.004593 ± 32                  | ~        |
| CDD_MtrCurrK1_Amps_G_f32[1]                       | 90.457222                 | 90.457222 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                       | -180.004593               | -180.004593 ± 32                  | ~        |
| CDD_MtrCurrK2_Amps_G_f32[1]                       | 54.7333794                | 54.7333755 ± 32                   | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]                       | -200.004593               | -200.004593 ± 0.03                | ~        |
| CDD_MtrCurrQax_Amp_G_f32[1]                       | -38.2644806               | -38.2644768 ± 0.03                |          |
|                                                   |                           |                                   |          |

| Test Step 2.35 (Repeat Count = 1)    |               | ✓ |
|--------------------------------------|---------------|---|
| Name                                 | Input Value   |   |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 1199          |   |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 45            |   |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 2048          |   |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 1             |   |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 0             |   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.0350000001  |   |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.00891800039 |   |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 1783          |   |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 2014          |   |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | -52.875       |   |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | 74.875        |   |





| Name                                            | Input Value               |                                    |          |  |
|-------------------------------------------------|---------------------------|------------------------------------|----------|--|
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | -0.0260000005             | -0.0260000005                      |          |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | -0.0260000005             | -0.0260000005                      |          |  |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 0.00840840023             |                                    |          |  |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.00840831                |                                    |          |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | 0.0120000001              |                                    |          |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | 0.0130000003              |                                    |          |  |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0.00840840023             |                                    |          |  |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.00840843                |                                    |          |  |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -140.008408               |                                    |          |  |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 63.0084076                |                                    |          |  |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -140.008408               |                                    |          |  |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 63.0084076                |                                    |          |  |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -140.008408               |                                    |          |  |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 63.0084076                |                                    |          |  |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -180.008408               |                                    |          |  |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 125.008408                |                                    |          |  |
| CDD_MtrElecPol_Cnt_G_s8                         | -1                        |                                    |          |  |
| CDD_Vecu_Volt_G_f32[0]                          | 12.5500002                |                                    |          |  |
| CDD_Vecu_Volt_G_f32[1]                          | 11.2700005                |                                    |          |  |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 3.60000013e-005           |                                    |          |  |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 1.6e-005                  |                                    |          |  |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 10027                     |                                    |          |  |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |          |  |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 630                       |                                    |          |  |
| k_MtrPosComputDelay_Sec_f32                     | 4.80000017e-005           |                                    |          |  |
| k_NoofPoles_Uls_f32                             | 4.50823975                |                                    |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 1.8999998                 |                                    |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 92.875                    |                                    |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 63.875                    |                                    |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.36599994                |                                    |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         | I=                                 | 1        |  |
| Name                                            | Actual Value              | Expected Value                     | Result   |  |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.237609863               | 0.237609863 ± 0.0000152587890625   | ~        |  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.00891800039             | 0.00891800039 ± 0.0000152587890625 | •        |  |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.00810130686             | 0.00810130686 ± 0.0000152587890625 | ~        |  |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.45421255                | 1.45421255 ± 32                    | <b>-</b> |  |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.00840831                | 2.00840831 ± 32                    | •        |  |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0.0451770462              | 0.0451770462 ± 32                  | _        |  |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.00840843                | 1.00840843 ± 32                    |          |  |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | 60.7054443                | 60.7054329 ± 0.03                  | _        |  |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 63.0084076                | 63.0084076 ± 0.03                  | •        |  |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 253.491699                | 253.49173 ± 32                     | •        |  |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 63.0084076                | 63.0084076 ± 32                    | •        |  |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | 41.1157112                | 41.115696 ± 32                     |          |  |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 63.0084076<br>220         | 63.0084076 ± 32                    | Ž        |  |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | 125.008408                | 220 ± 0.03<br>125.008408 ± 0.03    |          |  |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 120.000400                | 125.000400 ± 0.03                  |          |  |

| Test Step 2.36 (Repeat Count = 1)    |              |
|--------------------------------------|--------------|
| Name                                 | Input Value  |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 1210         |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 53           |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 3072         |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 0            |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 1            |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.0359999985 |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.0091728    |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 1882         |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 2124         |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | -44.9000015  |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | 81.9000015   |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] | 0.0260000005 |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1] | 0.0260000005 |
| CDD_MtrCurr1_Volts_G_f32[0]          | 1.00866318   |
| CDD_MtrCurr1_Volts_G_f32[1]          | 4.00866318   |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0] | 0.0130000003 |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1] | 0.0140000004 |
| CDD_MtrCurr2_Volts_G_f32[0]          | 1.00866318   |
| CDD_MtrCurr2_Volts_G_f32[1]          | 4.00866318   |
| CDD_MtrCurrDax_Amp_G_f32[0]          | -120.008667  |
| CDD_MtrCurrDax_Amp_G_f32[1]          | 25.0086632   |

2016-07-24, 12:52:46+0530



| Name                                            | Input Value               |                                     |          |
|-------------------------------------------------|---------------------------|-------------------------------------|----------|
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 5.00866318                |                                     |          |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 14.0086632                |                                     |          |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -120.008667               |                                     |          |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 25.0086632                |                                     |          |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -160.008667               |                                     |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 120.008667                |                                     |          |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                     |          |
| CDD_Vecu_Volt_G_f32[0]                          | 13.5600004                |                                     |          |
| CDD_Vecu_Volt_G_f32[1]                          | 12.2799997                |                                     |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 3.70000016e-005           |                                     |          |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 1.70000003e-005           |                                     |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 10158                     |                                     |          |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                     |          |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 640                       |                                     |          |
| k_MtrPosComputDelay_Sec_f32                     | 4.89999984e-005           |                                     |          |
| k_NoofPoles_Uls_f32                             | 2.97059679                |                                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2                         |                                     |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 93.9000015                |                                     |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 65.9000015                |                                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.3670001                 |                                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                     |          |
| Name                                            | Actual Value              | Expected Value                      | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0359999985              | 0.0359999985 ± 0.0000152587890625   | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0711517334              | 0.0711517334 ± 0.0000152587890625   | ~        |
| CDD_ElecPosDelayComp_Rad_G_f32                  | -0.00326780509            | -0.00326780509 ± 0.0000152587890625 | ~        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.00866318                | 1.00866318 ± 32                     | ~        |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.46275949                | 1.46275949 ± 32                     | ~        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.00866318                | 1.00866318 ± 32                     | ~        |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.0500610508              | 0.0500610508 ± 32                   | ~        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -120.008667               | -120.008667 ± 0.03                  | ~        |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 220                       | 220 ± 0.03                          | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 5.00866318                | 5.00866318 ± 32                     | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 295.212341                | 295.212341 ± 32                     | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -120.008667               | -120.008667 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | -28.6416264               | -28.6416264 ± 32                    | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -160.008667               | -160.008667 ± 0.03                  | ~        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 153.451782                | 153.451782 ± 0.03                   | <b>✓</b> |

| Test Step 2.37 (Repeat Count = 1)             | ✓               |
|-----------------------------------------------|-----------------|
| Name                                          | Input Value     |
| Adc2_GetPhsBCurr_Cnt_u16_m                    | 1221            |
| Adc2_GetPhsCCurr_Cnt_u16_m                    | 60              |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                 | 1280            |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16          | 1.              |
| CDD_CDDDataAccessBfr_Cnt_G_u16                | 0               |
| CDD_CorrMtrPosElec_Rev_G_f32[0]               | 0.0370000005    |
| CDD_CorrMtrPosElec_Rev_G_f32[1]               | 0.00942759961   |
| CDD_DCPhsBComp_Cnt_G_u16p0                    | 1981            |
| CDD_DCPhsCComp_Cnt_G_u16p0                    | 2234            |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]               | -52.9249992     |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]               | 75.9250031      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]          | 0               |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]          | 0               |
| CDD_MtrCurr1_Volts_G_f32[0]                   | 2.00891805      |
| CDD_MtrCurr1_Volts_G_f32[1]                   | 1.00891805      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]          | 0.0140000004    |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]          | 0.0149999997    |
| CDD_MtrCurr2_Volts_G_f32[0]                   | 2.00891805      |
| CDD_MtrCurr2_Volts_G_f32[1]                   | 1.00891805      |
| CDD_MtrCurrDax_Amp_G_f32[0]                   | -200.008911     |
| CDD_MtrCurrDax_Amp_G_f32[1]                   | 198.008911      |
| CDD_MtrCurrK1_Amps_G_f32[0]                   | 5.00891781      |
| CDD_MtrCurrK1_Amps_G_f32[1]                   | 18.0089188      |
| CDD_MtrCurrK2_Amps_G_f32[0]                   | -200.008911     |
| CDD_MtrCurrK2_Amps_G_f32[1]                   | 198.008911      |
| CDD_MtrCurrQax_Amp_G_f32[0]                   | -140.008911     |
| CDD_MtrCurrQax_Amp_G_f32[1]                   | 63.0089188      |
| CDD_MtrElecPol_Cnt_G_s8                       | -1              |
| CDD_Vecu_Volt_G_f32[0]                        | 14.5699997      |
| CDD_Vecu_Volt_G_f32[1]                        | 13.29           |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32 | 3.79999983e-005 |

CurrDQPer1



| Name                                            | Input Value               |                                    |          |
|-------------------------------------------------|---------------------------|------------------------------------|----------|
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 1.80000006e-005           |                                    |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 10289                     |                                    |          |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |          |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 650                       |                                    |          |
| k_MtrPosComputDelay_Sec_f32                     | 4.99999987e-005           |                                    |          |
| k_NoofPoles_Uls_f32                             | 4.07683086                |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.0999999                 |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 94.9250031                |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 67.9250031                |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.36800003                |                                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                    |          |
| Name                                            | Actual Value              | Expected Value                     | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.24156189                | 0.24156189 ± 0.0000152587890625    | •        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.00942759961             | 0.00942759961 ± 0.0000152587890625 | •        |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.00773833459             | 0.00773833459 ± 0.0000152587890625 | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.48473752                | 1.48473752 ± 32                    | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.00891805                | 1.00891805 ± 32                    | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0.0671550706              | 0.0671550706 ± 32                  | •        |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.00891805                | 1.00891805 ± 32                    | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | 42.3102837                | 42.3102837 ± 0.03                  | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 198.008911                | 198.008911 ± 0.03                  | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 313.270416                | 313.270416 ± 32                    | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 18.0089188                | 18.0089188 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | 25.7452164                | 25.7452164 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 198.008911                | 198.008911 ± 32                    | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | 220                       | 220 ± 0.03                         | ~        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 63.0089188                | 63.0089188 ± 0.03                  | ~        |

| Name                                           | Input Value               |  |
|------------------------------------------------|---------------------------|--|
| Adc2_GetPhsBCurr_Cnt_u16_m                     | 1232                      |  |
| Adc2_GetPhsCCurr_Cnt_u16_m                     | 68                        |  |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                  | 2560                      |  |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16           | 0                         |  |
| CDD_CDDDataAccessBfr_Cnt_G_u16                 | 1                         |  |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                | 0.0379999988              |  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                | 0.00968240015             |  |
| CDD_DCPhsBComp_Cnt_G_u16p0                     | 2080                      |  |
| CDD_DCPhsCComp_Cnt_G_u16p0                     | 2344                      |  |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                | -44.9500008               |  |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                | 82.9499969                |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]           | 0.0099999978              |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]           | 0.0109999999              |  |
| CDD_MtrCurr1_Volts_G_f32[0]                    | 2.00917292                |  |
| CDD_MtrCurr1_Volts_G_f32[1]                    | 1.0091728                 |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]           | 0.0149999997              |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]           | 0.0160000008              |  |
| DD_MtrCurr2_Volts_G_f32[0]                     | 1.0091728                 |  |
| CDD_MtrCurr2_Volts_G_f32[1]                    | 2.00917292                |  |
| DD_MtrCurrDax_Amp_G_f32[0]                     | -180.009171               |  |
| DD_MtrCurrDax_Amp_G_f32[1]                     | 125.009171                |  |
| CDD_MtrCurrK1_Amps_G_f32[0]                    | 5.00917292                |  |
| CDD_MtrCurrK1_Amps_G_f32[1]                    | 22.0091724                |  |
| CDD_MtrCurrK2_Amps_G_f32[0]                    | -180.009171               |  |
| CDD_MtrCurrK2_Amps_G_f32[1]                    | 125.009171                |  |
| CDD_MtrCurrQax_Amp_G_f32[0]                    | -120.009171               |  |
| CDD_MtrCurrQax_Amp_G_f32[1]                    | 25.0091724                |  |
| CDD_MtrElecPol_Cnt_G_s8                        | 1                         |  |
| DD Vecu Volt G f32[0]                          | 15.5799999                |  |
| CDD Vecu Volt G f32[1]                         | 14.3000002                |  |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32  | 3.8999987e-005            |  |
| CmMtrCurr MtrCurr2OffDelta VoltpVoltCnt M f32  | 1.8999992e-005            |  |
| /trPos_CorrectedMtrPos_Rev_G_u0p16             | 10420                     |  |
| Rte_Inst_Sa_CmMtrCurr                          | tgt Rte Inst Sa CmMtrCurr |  |
| MtrCurrOffLoComOff Cnt u16                     | 660                       |  |
| MtrPosComputDelay Sec f32                      | 5.0999991e-005            |  |
| NoofPoles Uls f32                              | 5.63962412                |  |
| gt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32 | 2.20000005                |  |
| gt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 95.9499969                |  |
| gt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt_132 | 69.9499969                |  |
| gt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.36899996                |  |

CurrDQPer1

2016-07-24, 12:52:46+0530



Input Value tgt\_Pim\_ShCurrCal  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_ShCurrCal$ Name **Actual Value Expected Value** Result CDD\_CorrMtrPosElec\_Rev\_G\_f32[0] 0.0379999988  $0.0379999988 \pm 0.0000152587890625$ CDD\_CorrMtrPosElec\_Rev\_G\_f32[1] 0.0746459961 0.0746459961 ± 0.0000152587890625 CDD\_ElecPosDelayComp\_Rad\_G\_f32 -0.00646427833 -0.00646427833 ± 0.0000152587890625 2.00917292 ± 32 CDD\_MtrCurr1\_Volts\_G\_f32[0] 2.00917292 CDD\_MtrCurr1\_Volts\_G\_f32[1] 1.49206352 1.49206352 ± 32 CDD\_MtrCurr2\_Volts\_G\_f32[0] 1.0091728 ± 32 1.0091728 CDD\_MtrCurr2\_Volts\_G\_f32[1] 0.070818074 0.070818074 ± 32 CDD\_MtrCurrDax\_Amp\_G\_f32[0] -180.009171 -180.009171 ± 0.03 CDD\_MtrCurrDax\_Amp\_G\_f32[1] 220 220 ± 0.03 CDD\_MtrCurrK1\_Amps\_G\_f32[0] 5.00917292 5.00917292 ± 32 CDD\_MtrCurrK1\_Amps\_G\_f32[1] 358.275574 358.275513 ± 32 CDD\_MtrCurrK2\_Amps\_G\_f32[0] -180.009171 -180.009171 ± 32 CDD\_MtrCurrK2\_Amps\_G\_f32[1] -13.9402857 -13.9402952 ± 32 CDD\_MtrCurrQax\_Amp\_G\_f32[0] -120.009171 -120.009171 ± 0.03 CDD\_MtrCurrQax\_Amp\_G\_f32[1] 174.378204 174.378174 ± 0.03

| Resu  |
|-------|
| 5     |
| 325   |
| 5     |
|       |
|       |
|       |
|       |
|       |
| 25000 |





| Name                        | Actual Value | Expected Value   | Result   |
|-----------------------------|--------------|------------------|----------|
| CDD_MtrCurrDax_Amp_G_f32[1] | 120.00943    | 120.00943 ± 0.03 | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0] | 382.98645    | 382.986481 ± 32  | ✓        |
| CDD_MtrCurrK1_Amps_G_f32[1] | 26.009428    | 26.009428 ± 32   | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0] | 9.57782078   | 9.57782936 ± 32  | <b>✓</b> |
| CDD_MtrCurrK2_Amps_G_f32[1] | 120.00943    | 120.00943 ± 32   | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0] | 220          | 220 ± 0.03       | <b>✓</b> |
| CDD_MtrCurrQax_Amp_G_f32[1] | 198.00943    | 198.00943 ± 0.03 | <b>✓</b> |

| Test Step 2.40 (Repeat Count = 1)               |                           |                                     |     |
|-------------------------------------------------|---------------------------|-------------------------------------|-----|
| Name                                            | Input Value               |                                     |     |
| Adc2_GetPhsBCurr_Cnt_u16_m                      | 1254                      |                                     |     |
| Adc2_GetPhsCCurr_Cnt_u16_m                      | 83                        |                                     |     |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                   | 768                       |                                     |     |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16            | 0                         |                                     |     |
| CDD_CDDDataAccessBfr_Cnt_G_u16                  | 1                         |                                     |     |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.039999991               |                                     |     |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0101920003              |                                     |     |
| CDD_DCPhsBComp_Cnt_G_u16p0                      | 2278                      |                                     |     |
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 2564                      |                                     |     |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | -44.3650017               |                                     |     |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 83.3649979                |                                     |     |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | 0.0120000001              |                                     |     |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | 0.0130000003              |                                     |     |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.00968242                |                                     |     |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.00968242                |                                     |     |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | -0.0260000005             |                                     |     |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | -0.0260000005             |                                     |     |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.00968242                |                                     |     |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 2.00968242                |                                     |     |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -140.009689               |                                     |     |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 63.0096817                |                                     |     |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 5.00968218                |                                     |     |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 30.0096817                |                                     |     |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -140.009689               |                                     |     |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 63.0096817                |                                     |     |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -180.009689               |                                     |     |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 125.009682                |                                     |     |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                     |     |
| CDD_Vecu_Volt_G_f32[0]                          | 17.6000004                |                                     |     |
| CDD_Vecu_Volt_G_f32[1]                          | 16.3199997                |                                     |     |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 4.0999993e-005            |                                     |     |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 2.0999998e-005            |                                     |     |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 10682                     |                                     |     |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                     |     |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 680                       |                                     |     |
| k_MtrPosComputDelay_Sec_f32                     | 5.2999998e-005            |                                     |     |
| k_NoofPoles_Uls_f32                             | 4.1064229                 |                                     |     |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.4000001                 |                                     |     |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 97                        |                                     |     |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 73.3649979                |                                     |     |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.37100005                |                                     |     |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                     |     |
| Name                                            | Actual Value              | Expected Value                      | Res |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.039999991               | 0.0399999991 ± 0.0000152587890625   |     |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0789031982              | 0.0789031982 ± 0.0000152587890625   |     |
| CDD_ElecPosDelayComp_Rad_G_f32                  | -0.00482780859            | -0.00482780859 ± 0.0000152587890625 |     |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.00968242                | 1.00968242 ± 32                     |     |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.52747262                | 1.52747262 ± 32                     |     |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.00968242                | 1.00968242 ± 32                     |     |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.0976800993              | 0.0976800993 ± 32                   |     |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -140.009689               | -140.009689 ± 0.03                  |     |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 220                       | 220 ± 0.03                          |     |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 5.00968218                | 5.00968218 ± 32                     |     |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 425.87561                 | 425.87561 ± 32                      |     |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -140.009689               | -140.009689 ± 32                    |     |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 5.46439552                | 5.46438694 ± 32                     |     |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -180.009689               | -180.009689 ± 0.03                  |     |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 197.78392                 | 197.78392 ± 0.03                    |     |





| Test Step 2.41 (Repeat Count = 1)                                                           |                               |                                    | V        |
|---------------------------------------------------------------------------------------------|-------------------------------|------------------------------------|----------|
| Name                                                                                        | Input Value                   |                                    |          |
| Adc2_GetPhsBCurr_Cnt_u16_m                                                                  | 1265                          |                                    |          |
| Adc2_GetPhsCCurr_Cnt_u16_m                                                                  | 90                            |                                    |          |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                                                               | 1536                          |                                    |          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16                                                        | 1                             |                                    |          |
| CDD_CDDDataAccessBfr_Cnt_G_u16                                                              | 0                             |                                    |          |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                                                             | 0.0410000011                  |                                    |          |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                                                             | 0.0104467999                  |                                    |          |
| CDD_DCPhsBComp_Cnt_G_u16p0                                                                  | 2377                          |                                    |          |
| CDD_DCPhsCComp_Cnt_G_u16p0                                                                  | 2674                          |                                    |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                                                             | -52.0250015                   |                                    |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                                                             | 77.0250015                    |                                    |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                                                        | 0.023                         |                                    |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                                                        | 0.0240000002                  |                                    |          |
| CDD_MtrCurr1_Volts_G_f32[0]                                                                 | 2.00993729                    |                                    |          |
| CDD_MtrCurr1_Volts_G_f32[1]                                                                 | 1.00993717                    |                                    |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                                                        | 0.0260000005                  |                                    |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]                                                        | 0.0260000005                  |                                    |          |
| CDD_MtrCurr2_Volts_G_f32[0]                                                                 | 2.00993729                    |                                    |          |
| CDD_MtrCurr2_Volts_G_f32[1]                                                                 | 1.00993717                    |                                    |          |
| CDD_MtrCurrDax_Amp_G_f32[0]                                                                 | -120.009933                   |                                    |          |
| CDD_MtrCurrDax_Amp_G_f32[1]                                                                 | 25.0099373                    |                                    |          |
| CDD_MtrCurrK1_Amps_G_f32[0]                                                                 | 1.00993717                    |                                    |          |
| CDD_MtrCurrK1_Amps_G_f32[1]                                                                 | 2.00993729                    |                                    |          |
| CDD_MtrCurrK2_Amps_G_f32[0]                                                                 | -120.009933                   |                                    |          |
| CDD_MtrCurrK2_Amps_G_f32[1]                                                                 | 25.0099373                    |                                    |          |
| CDD_MtrCurrQax_Amp_G_f32[0]                                                                 | -160.009933                   |                                    |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                                                                 | 120.009933                    |                                    |          |
| CDD_MtrElecPol_Cnt_G_s8                                                                     | 1 49 6400006                  |                                    |          |
| CDD_Vecu_Volt_G_f32[0]                                                                      | 18.6100006                    |                                    |          |
| CDD_Vecu_Volt_G_f32[1]                                                                      | 17.3299999<br>4.19999997e-005 |                                    |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32 CmMtrCurr MtrCurr2OffDelta VoltpVoltCnt M f32 | 2.20000002e-005               |                                    |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16                                                          | 10813                         |                                    |          |
| Rte_Inst_Sa_CmMtrCurr                                                                       | tgt_Rte_Inst_Sa_CmMtrCurr     |                                    |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                                                | 690                           |                                    |          |
| k_MtrPosComputDelay_Sec_f32                                                                 | 5.40000001e-005               |                                    |          |
| k_NoofPoles_UIs_f32                                                                         | 3.98144245                    |                                    |          |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                                             | 2.5                           |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32                                             | 98.0250015                    |                                    |          |
| tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32                                             | 75.0250015                    |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                             | 2.37199998                    |                                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                                     | tgt_Pim_ShCurrCal             |                                    |          |
| Name                                                                                        | Actual Value                  | Expected Value                     | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                                                             | 0.0829772949                  | 0.0829772949 ± 0.0000152587890625  | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                                                             | 0.0104467999                  | 0.0104467999 ± 0.0000152587890625  | <b>✓</b> |
| CDD_ElecPosDelayComp_Rad_G_f32                                                              | 0.00828010682                 | 0.00828010682 ± 0.0000152587890625 | ~        |
| CDD_MtrCurr1_Volts_G_f32[0]                                                                 | 1.53724062                    | 1.53724062 ± 32                    | ~        |
| CDD_MtrCurr1_Volts_G_f32[1]                                                                 | 1.00993717                    | 1.00993717 ± 32                    | ~        |
| CDD_MtrCurr2_Volts_G_f32[0]                                                                 | 0.102564104                   | 0.102564104 ± 32                   | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[1]                                                                 | 1.00993717                    | 1.00993717 ± 32                    | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[0]                                                                 | 220                           | 220 ± 0.03                         | ~        |
| CDD_MtrCurrDax_Amp_G_f32[1]                                                                 | 25.0099373                    | 25.0099373 ± 0.03                  | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]                                                                 | 458.752502                    | 458.752563 ± 32                    | ~        |
| CDD_MtrCurrK1_Amps_G_f32[1]                                                                 | 2.00993729                    | 2.00993729 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                                                                 | 10.283968                     | 10.2839851 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[1]                                                                 | 25.0099373                    | 25.0099373 ± 32                    | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]                                                                 | 219.569244                    | 219.56926 ± 0.03                   | <b>V</b> |
| CDD_MtrCurrQax_Amp_G_f32[1]                                                                 | 120.009933                    | 120.009933 ± 0.03                  | ~        |

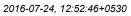
| Test Step 2.42 (Repeat Count = 1)    | ✓            |
|--------------------------------------|--------------|
| Name                                 | Input Value  |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 1276         |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 98           |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 2304         |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 1            |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 1            |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.0419999994 |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.0107016005 |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 2476         |





| Name                                            | Input Value               |                                    |        |  |
|-------------------------------------------------|---------------------------|------------------------------------|--------|--|
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 2784                      |                                    |        |  |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | -44.0499992               |                                    |        |  |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 84.0500031                |                                    |        |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | 0.0140000004              |                                    |        |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | 0.0149999997              |                                    |        |  |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.01019192                |                                    |        |  |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.01019204                |                                    |        |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | 0                         |                                    |        |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | 0                         |                                    |        |  |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.01019204                |                                    |        |  |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 2.01019192                |                                    |        |  |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -200.010193               |                                    |        |  |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 198.010193                |                                    |        |  |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 2.01019192                |                                    |        |  |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 4.01019192                |                                    |        |  |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -200.010193               |                                    |        |  |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 198.010193                |                                    |        |  |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -140.010193               |                                    |        |  |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 63.0101929                |                                    |        |  |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                    |        |  |
| CDD_Vecu_Volt_G_f32[0]                          | 19.6200008                |                                    |        |  |
| CDD_Vecu_Volt_G_f32[1]                          | 18.3400002                |                                    |        |  |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 4.3e-005                  |                                    |        |  |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 2.30000005e-005           |                                    |        |  |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 10945                     |                                    |        |  |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |        |  |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 700                       |                                    |        |  |
| k_MtrPosComputDelay_Sec_f32                     | 5.50000004e-005           |                                    |        |  |
| k_NoofPoles_Uls_f32                             | 3.30382323                |                                    |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.5999999                 |                                    |        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 99.0500031                |                                    |        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 77.0500031                |                                    |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.37299991                |                                    |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                    |        |  |
| Name                                            | Actual Value              | Expected Value                     | Result |  |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0419999994              | 0.0419999994 ± 0.0000152587890625  |        |  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0848999023              | 0.0848999023 ± 0.0000152587890625  | •      |  |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.00763637433             | 0.00763637479 ± 0.0000152587890625 |        |  |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.01019192                | 2.01019192 ± 32                    |        |  |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.54700863                | 1.54700863 ± 32                    |        |  |
| CDD MtrCurr2 Volts G f32[0]                     | 1.01019204                | 1.01019204 ± 32                    | •      |  |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.10866911                | 0.10866911 ± 32                    | •      |  |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -200.010193               | -200.010193 ± 0.03                 | •      |  |
| CDD MtrCurrDax Amp G f32[1]                     | 220                       | 220 ± 0.03                         | •      |  |
| CDD MtrCurrK1 Amps G f32[0]                     | 2.01019192                | 2.01019192 ± 32                    | •      |  |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 500.760559                | 500.760498 ± 32                    |        |  |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -200.010193               | -200.010193 ± 32                   |        |  |
| CDD MtrCurrK2 Amps G f32[1]                     | 21.0055828                | 21.0055733 ± 32                    |        |  |
| CDD MtrCurrQax Amp G f32[0]                     | -140.010193               | -140.010193 ± 0.03                 | •      |  |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 220                       | 220 ± 0.03                         |        |  |

| Test Step 2.43 (Repeat Count = 1)    |              | ~ |
|--------------------------------------|--------------|---|
| Name                                 | Input Value  |   |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 1287         |   |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 105          |   |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 3072         |   |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 0            |   |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 0            |   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.0430000015 |   |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.0109564001 |   |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 2575         |   |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 2894         |   |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | -52.0750008  |   |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | 78.0749969   |   |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] | 0.0149999997 |   |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1] | 0.0160000008 |   |
| CDD_MtrCurr1_Volts_G_f32[0]          | 0.0104467999 |   |
| CDD_MtrCurr1_Volts_G_f32[1]          | 2.01044679   |   |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0] | 0.0099999978 |   |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1] | 0.0109999999 |   |
| CDD_MtrCurr2_Volts_G_f32[0]          | 0.0104467999 |   |





| Name                                            | Input Value               |                                     |          |
|-------------------------------------------------|---------------------------|-------------------------------------|----------|
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.01044679                |                                     |          |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -180.010452               |                                     |          |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 125.010445                |                                     |          |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 4.01044703                |                                     |          |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 6.01044703                |                                     |          |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -180.010452               |                                     |          |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 125.010445                |                                     |          |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -120.010445               |                                     |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 25.0104465                |                                     |          |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                     |          |
| CDD_Vecu_Volt_G_f32[0]                          | 20.6299992                |                                     |          |
| CDD_Vecu_Volt_G_f32[1]                          | 19.3500004                |                                     |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 4.40000003e-005           |                                     |          |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 2.40000008e-005           |                                     |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 11076                     |                                     |          |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                     |          |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 710                       |                                     |          |
| k_MtrPosComputDelay_Sec_f32                     | 5.60000008e-005           |                                     |          |
| k_NoofPoles_Uls_f32                             | 4.80225563                |                                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.70000005                |                                     |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 100.074997                |                                     |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 79.0749969                |                                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.37400007                |                                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                     |          |
| Name                                            | Actual Value              | Expected Value                      | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.084564209               | 0.084564209 ± 0.0000152587890625    | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0109564001              | 0.0109564001 ± 0.0000152587890625   | <b>✓</b> |
| CDD_ElecPosDelayComp_Rad_G_f32                  | -0.00700216927            | -0.00700216927 ± 0.0000152587890625 | ~        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.55677664                | 1.55677664 ± 32                     | ~        |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.01044679                | 2.01044679 ± 32                     | ~        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0.113553114               | 0.113553114 ± 32                    | ~        |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.01044679                | 1.01044679 ± 32                     | ~        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | 220                       | 220 ± 0.03                          | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 125.010445                | 125.010445 ± 0.03                   | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 566.857239                | 566.8573 ± 32                       | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 6.01044703                | 6.01044703 ± 32                     | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | 35.65168                  | 35.6517143 ± 32                     | ~        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 125.010445                | 125.010445 ± 32                     | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | 220                       | 220 ± 0.03                          | ~        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 25.0104465                | 25.0104465 ± 0.03                   | •        |

| Test Step 2.44 (Repeat Count = 1)    | ✓              |
|--------------------------------------|----------------|
| Name                                 | Input Value    |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 1298           |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 664            |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 3840           |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 1.             |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 1              |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.043999998    |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.0112111997   |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 2674           |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 3004           |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | -44.0999985    |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | 85.0999985     |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] | 0.0160000008   |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1] | 0.0170000009   |
| CDD_MtrCurr1_Volts_G_f32[0]          | 1.01070166     |
| CDD_MtrCurr1_Volts_G_f32[1]          | 4.01070166     |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0] | -0.00499999989 |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1] | -0.00400000019 |
| CDD_MtrCurr2_Volts_G_f32[0]          | 1.01070166     |
| CDD_MtrCurr2_Volts_G_f32[1]          | 4.01070166     |
| CDD_MtrCurrDax_Amp_G_f32[0]          | -160.010696    |
| CDD_MtrCurrDax_Amp_G_f32[1]          | 120.010704     |
| CDD_MtrCurrK1_Amps_G_f32[0]          | 1.01070166     |
| CDD_MtrCurrK1_Amps_G_f32[1]          | 3.01070166     |
| CDD_MtrCurrK2_Amps_G_f32[0]          | -160.010696    |
| CDD_MtrCurrK2_Amps_G_f32[1]          | 120.010704     |
| CDD_MtrCurrQax_Amp_G_f32[0]          | -200.010696    |
| CDD_MtrCurrQax_Amp_G_f32[1]          | 198.010696     |
| CDD_MtrElecPol_Cnt_G_s8              | 1              |

CurrDQPer1

CDD\_MtrCurrQax\_Amp\_G\_f32[1]

2016-07-24, 12:52:46+0530



Name Input Value CDD\_Vecu\_Volt\_G\_f32[0] 21.6399994 CDD\_Vecu\_Volt\_G\_f32[1] 20.3600006 CmMtrCurr\_MtrCurr1OffDelta\_VoltpVoltCnt\_M\_f32 4.50000007e-005  $CmMtrCurr\_MtrCurr2OffDelta\_VoltpVoltCnt\_M\_f32$ 3.30000003e-005 MtrPos\_CorrectedMtrPos\_Rev\_G\_u0p16 11207 Rte\_Inst\_Sa\_CmMtrCurr tgt\_Rte\_Inst\_Sa\_CmMtrCurr k\_MtrCurrOffLoComOff\_Cnt\_u16 720 k\_MtrPosComputDelay\_Sec\_f32 5.70000011e-005 k\_NoofPoles\_Uls\_f32 5.30713034 tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32 2 79999995 tgt\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32 101.099998  $tgt\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32$ 81.0999985 tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32 2.375 tgt\_Pim\_ShCurrCal tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_ShCurrCal Name **Actual Value Expected Value** Result CDD\_CorrMtrPosElec\_Rev\_G\_f32[0] 0.0439999998  $0.0439999998 \pm 0.0000152587890625$ CDD CorrMtrPosElec Rev G f32[1] 0.0897216797 0.0897216797 ± 0.0000152587890625 CDD\_ElecPosDelayComp\_Rad\_G\_f32 0.0128716482  $0.0128716482 \pm 0.0000152587890625$ CDD\_MtrCurr1\_Volts\_G\_f32[0] 1.01070166 1.01070166 ± 32 CDD\_MtrCurr1\_Volts\_G\_f32[1] 1.56654465 1.56654465 ± 32 ソソソソソソソ CDD\_MtrCurr2\_Volts\_G\_f32[0] 1.01070166 ± 32 1.01070166 CDD\_MtrCurr2\_Volts\_G\_f32[1] 0.792429805 0.792429805 ± 32 CDD\_MtrCurrDax\_Amp\_G\_f32[0] -160.010696 ± 0.03 -160.010696 CDD\_MtrCurrDax\_Amp\_G\_f32[1] 220 220 ± 0.03 CDD\_MtrCurrK1\_Amps\_G\_f32[0] 1.01070166 1.01070166 ± 32 CDD\_MtrCurrK1\_Amps\_G\_f32[1] 572.477478 572.477417 ± 32 CDD\_MtrCurrK2\_Amps\_G\_f32[0] -160.010696 -160.010696 ± 32 CDD\_MtrCurrK2\_Amps\_G\_f32[1] 59.7491302 59.7490921 ± 32 CDD\_MtrCurrQax\_Amp\_G\_f32[0] -200.010696 -200.010696 ± 0.03

220

220 ± 0.03

| Name                                           | Input Value               |  |
|------------------------------------------------|---------------------------|--|
| Adc2 GetPhsBCurr Cnt u16 m                     | 1309                      |  |
| Adc2 GetPhsCCurr Cnt u16 m                     | 325                       |  |
| CDD ADC2OffsetComp Cnt G u8p8                  | 4608                      |  |
| CDD AppDataFwdPthAccessBfr Cnt G u16           | 0                         |  |
| CDD_CDDDataAccessBfr_Cnt_G_u16                 | 0                         |  |
| CDD CorrMtrPosElec Rev G f32[0]                | 0.0450000018              |  |
| DD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0114660002              |  |
| CDD DCPhsBComp Cnt G u16p0                     | 2773                      |  |
| CDD_DCPhsCComp_Cnt_G_u16p0                     | 3114                      |  |
| CDD MRFMtrVel MtrRadpS G f32[0]                | -52.125                   |  |
| CDD MRFMtrVel MtrRadpS G f32[1]                | 79.125                    |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]           | 0.0170000009              |  |
| DD_MtrCurr1TempOffset_Volt_G_f32[1]            | 0.0179999992              |  |
| DD_MtrCurr1_Volts_G_f32[0]                     | 2.01095629                |  |
| CDD MtrCurr1 Volts G f32[1]                    | 1.01095641                |  |
| DD_MtrCurr2TempOffset_Volt_G_f32[0]            | 0.0170000009              |  |
| DD MtrCurr2TempOffset Volt G f32[1]            | 0.0179999992              |  |
| DD MtrCurr2 Volts G f32[0]                     | 1.01095641                |  |
| CDD MtrCurr2 Volts G f32[1]                    | 2.01095629                |  |
| DD MtrCurrDax Amp G f32[0]                     | -140.010956               |  |
| DD_MtrCurrDax_Amp_G_f32[1]                     | 63.0109558                |  |
| DD_MtrCurrK1_Amps_G_f32[0]                     | 2.01095629                |  |
| DD_MtrCurrK1_Amps_G_f32[1]                     | 5.01095629                |  |
| DD_MtrCurrK2_Amps_G_f32[0]                     | -140.010956               |  |
| DD_MtrCurrK2_Amps_G_f32[1]                     | 63.0109558                |  |
| DD_MtrCurrQax_Amp_G_f32[0]                     | -180.010956               |  |
| DD_MtrCurrQax_Amp_G_f32[1]                     | 125.010956                |  |
| DD_MtrElecPol_Cnt_G_s8                         | -1                        |  |
| DD Vecu Volt G f32[0]                          | 22.6499996                |  |
| DD_Vecu_Volt_G_f32[1]                          | 21.3700008                |  |
| mMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 4.6000001e-005            |  |
| mMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 3.4000006e-005            |  |
| trPos_CorrectedMtrPos_Rev_G_u0p16              | 11338                     |  |
| te_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |  |
| MtrCurrOffLoComOff_Cnt_u16                     | 730                       |  |
| MtrPosComputDelay_Sec_f32                      | 5.80000014e-005           |  |
| _NoofPoles_Uls_f32                             | 2.10435843                |  |
| gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.9000001                 |  |

 $\ensuremath{\text{@}}$  Report created by TESSY V3.1.13, report template V2.1





| Name                                            | Input Value       |                                     |          |
|-------------------------------------------------|-------------------|-------------------------------------|----------|
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 102.125           |                                     |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 83.125            |                                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.37599993        |                                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal |                                     |          |
| Name                                            | Actual Value      | Expected Value                      | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.255828857       | 0.255828857 ± 0.0000152587890625    | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0114660002      | 0.0114660002 ± 0.0000152587890625   | <b>✓</b> |
| CDD_ElecPosDelayComp_Rad_G_f32                  | -0.00318100094    | -0.00318100094 ± 0.0000152587890625 | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.57631266        | 1.57631266 ± 32                     | ~        |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.01095641        | 1.01095641 ± 32                     | <b>~</b> |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0.374847382       | 0.374847382 ± 32                    | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 2.01095629        | 2.01095629 ± 32                     | <b>~</b> |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -78.3389435       | -78.3389435 ± 0.03                  | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 63.0109558        | 63.0109558 ± 0.03                   | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 689.12561         | 689.12561 ± 32                      | ~        |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 5.01095629        | 5.01095629 ± 32                     | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -53.1417694       | -53.1417694 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 63.0109558        | 63.0109558 ± 32                     | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | 220               | 220 ± 0.03                          | ~        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 125.010956        | 125.010956 ± 0.03                   | ~        |

| Name                                            | Input Value               |                                   |       |
|-------------------------------------------------|---------------------------|-----------------------------------|-------|
| Adc2_GetPhsBCurr_Cnt_u16_m                      | 1320                      |                                   |       |
| Adc2 GetPhsCCurr Cnt u16 m                      | 1425                      |                                   |       |
| CDD ADC2OffsetComp Cnt G u8p8                   | 5376                      |                                   |       |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16            | 1                         |                                   |       |
| CDD CDDDataAccessBfr Cnt G u16                  | 1                         |                                   |       |
| CDD CorrMtrPosElec Rev G f32[0]                 | 0.046000001               |                                   |       |
| CDD CorrMtrPosElec Rev G f32[1]                 | 0.0117207998              |                                   |       |
| CDD_DCPhsBComp_Cnt_G_u16p0                      | 2872                      |                                   |       |
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 3224                      |                                   |       |
| CDD MRFMtrVel MtrRadpS G f32[0]                 | -44.1500015               |                                   |       |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 86.1500015                |                                   |       |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | 0.0179999992              |                                   |       |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | 0.018999994               |                                   |       |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.01121116                |                                   |       |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.01121116                |                                   |       |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | 0.0179999992              |                                   |       |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | 0.018999994               |                                   |       |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.01121116                |                                   |       |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 2.01121116                |                                   |       |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -120.011208               |                                   |       |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 25.0112114                |                                   |       |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 4.0112114                 |                                   |       |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 7.0112114                 |                                   |       |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -120.011208               |                                   |       |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 25.0112114                |                                   |       |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -160.011215               |                                   |       |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 120.011208                |                                   |       |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                   |       |
| CDD_Vecu_Volt_G_f32[0]                          | 23.6599998                |                                   |       |
| CDD_Vecu_Volt_G_f32[1]                          | 22.3799992                |                                   |       |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 4.70000014e-005           |                                   |       |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 3.50000009e-005           |                                   |       |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 11469                     |                                   |       |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                   |       |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 740                       |                                   |       |
| k_MtrPosComputDelay_Sec_f32                     | 5.90000018e-005           |                                   |       |
| k_NoofPoles_Uls_f32                             | 4.04976606                |                                   |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 3                         |                                   |       |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 103.150002                |                                   |       |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 85.1500015                |                                   |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.37700009                |                                   |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                   |       |
| Name                                            | Actual Value              | Expected Value                    | Resul |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.046000001               | 0.0460000001 ± 0.0000152587890625 | •     |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0933074951              | 0.0933074951 ± 0.0000152587890625 | •     |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.0102921771              | 0.0102921771 ± 0.0000152587890625 | •     |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.01121116                | 2.01121116 ± 32                   | •     |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.58608067                | 1.58608067 ± 32                   |       |

2016-07-24, 12:52:46+0530





| Name                        | Actual Value | Expected Value     | Result   |
|-----------------------------|--------------|--------------------|----------|
| CDD_MtrCurr2_Volts_G_f32[0] | 1.01121116   | 1.01121116 ± 32    | ~        |
| CDD_MtrCurr2_Volts_G_f32[1] | 1.71428573   | 1.71428573 ± 32    | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[0] | -120.011208  | -120.011208 ± 0.03 | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[1] | 220          | 220 ± 0.03         | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0] | 4.0112114    | 4.0112114 ± 32     | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[1] | 617.566223   | 617.566162 ± 32    | <b>✓</b> |
| CDD_MtrCurrK2_Amps_G_f32[0] | -120.011208  | -120.011208 ± 32   | ~        |
| CDD_MtrCurrK2_Amps_G_f32[1] | 125.325378   | 125.325317 ± 32    | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0] | -160.011215  | -160.011215 ± 0.03 | <b>✓</b> |
| CDD_MtrCurrQax_Amp_G_f32[1] | 220          | 220 ± 0.03         | <b>✓</b> |

| Test Step 2.47 (Repeat Count = 1)                                                   | Input Value                |                                        |      |
|-------------------------------------------------------------------------------------|----------------------------|----------------------------------------|------|
| Name                                                                                | Input Value                |                                        |      |
| Adc2_GetPhsBCurr_Cnt_u16_m                                                          | 1364                       |                                        |      |
| Adc2_GetPhsCCurr_Cnt_u16_m                                                          | 951                        |                                        |      |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                                                       | 8448                       |                                        |      |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16                                                | 1                          |                                        |      |
| CDD_CDDDataAccessBfr_Cnt_G_u16                                                      | 1                          |                                        |      |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                                                     | 0.050000007                |                                        |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                                                     | 0.0127400002               |                                        |      |
| CDD_DCPhsBComp_Cnt_G_u16p0                                                          | 3268                       |                                        |      |
| CDD_DCPhsCComp_Cnt_G_u16p0                                                          | 3664                       |                                        |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                                                     | -44.25                     |                                        |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                                                     | 88.25                      |                                        |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                                                | 0.0219999999               |                                        |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                                                | 0.023                      |                                        |      |
| CDD_MtrCurr1_Volts_G_f32[0]                                                         | 4.0122304                  |                                        |      |
| CDD_MtrCurr1_Volts_G_f32[1]                                                         | 1.0122304                  |                                        |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                                                | 0.021999999                |                                        |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]                                                | 0.023                      |                                        |      |
| CDD_MtrCurr2_Volts_G_f32[0]                                                         | 4.0122304                  |                                        |      |
| CDD_MtrCurr2_Volts_G_f32[1]                                                         | 2.0122304                  |                                        |      |
| CDD_MtrCurrDax_Amp_G_f32[0]                                                         | -140.012238                |                                        |      |
| CDD_MtrCurrDax_Amp_G_f32[1]                                                         | 63.0122299                 |                                        |      |
| CDD_MtrCurrK1_Amps_G_f32[0]                                                         | 7.0122304                  |                                        |      |
| CDD_MtrCurrK1_Amps_G_f32[1]                                                         | 26.0122299                 |                                        |      |
| CDD_MtrCurrK2_Amps_G_f32[0]                                                         | -140.012238                |                                        |      |
| CDD_MtrCurrK2_Amps_G_f32[1]                                                         | 63.0122299                 |                                        |      |
| CDD_MtrCurrQax_Amp_G_f32[0]                                                         | -180.012238                |                                        |      |
| CDD_MtrCurrQax_Amp_G_f32[1]                                                         | 125.01223                  |                                        |      |
| CDD_MtrElecPol_Cnt_G_s8                                                             | 1                          |                                        |      |
| CDD_Vecu_Volt_G_f32[0]                                                              | 27.7000008                 |                                        |      |
| CDD_Vecu_Volt_G_f32[1]                                                              | 26.4200001                 |                                        |      |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32                                       | 4.80000017e-005            |                                        |      |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32                                       | 3.89999987e-005            |                                        |      |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16                                                  | 0                          |                                        |      |
| Rte_Inst_Sa_CmMtrCurr                                                               | tgt_Rte_Inst_Sa_CmMtrCurr  |                                        |      |
| k_MtrCurrOffLoComOff_Cnt_u16                                                        | 780                        |                                        |      |
| k_MtrPosComputDelay_Sec_f32                                                         | 6.2999995e-005             |                                        |      |
| k_NoofPoles_Uls_f32                                                                 | 3.28270912                 |                                        |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                                     | 1.2999995                  |                                        |      |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32                                     | 107.25                     |                                        |      |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32                                     | 93.25                      |                                        |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                                     | 2.38100004                 |                                        |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                             | tgt_Pim_ShCurrCal          |                                        |      |
| Name                                                                                | Actual Value               | Expected Value                         | Resu |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                                                     | 0.0500000007               | 0.05000000007 ± 0.0000152587890625     | Resu |
| CDD CorrMtrPosElec Rev G f32[1]                                                     | 0.918121338                | 0.918121338 ± 0.0000152587890625       |      |
| CDD ElecPosDelayComp Rad G f32                                                      | 0.0916121336               | 0.0912552141 ± 0.0000152587890625      |      |
| CDD MtrCurr1 Volts G f32[0]                                                         |                            |                                        |      |
|                                                                                     | 4.0122304                  | 4.0122304 ± 32                         |      |
| CDD_MtrCurr1_Volts_G_f32[1] CDD_MtrCurr2_Volto_C_f32[0]                             | 1.62515271                 | 1.62515271 ± 32                        |      |
| CDD_MtrCurr2_Volts_G_f32[0]                                                         | 4.0122304                  | 4.0122304 ± 32                         |      |
| CDD_MtrCurr2_Volts_G_f32[1]                                                         | 1.12087917                 | 1.12087917 ± 32                        |      |
| CDD_MtrCurrDax_Amp_G_f32[0]                                                         | -140.012238                | -140.012238 ± 0.03                     |      |
| CDD_MtrCurrDax_Amp_G_f32[1]                                                         | 220                        | 220 ± 0.03                             | -    |
| CDD_MtrCurrK1_Amps_G_f32[0]                                                         | 7.0122304                  | 7.0122304 ± 32                         |      |
| CDD_MtrCurrK1_Amps_G_f32[1]                                                         | 718.552856                 | 718.552795 ± 32                        |      |
|                                                                                     | -140.012238                | -140.012238 ± 32                       |      |
| CDD_MtrCurrK2_Amps_G_f32[0]                                                         |                            |                                        |      |
| CDD_MtrCurrK2_Amps_G_f32[0] CDD_MtrCurrK2_Amps_G_f32[1] CDD_MtrCurrQax_Amp_G_f32[0] | 0.659367979<br>-180.012238 | 0.659350336 ± 32<br>-180.012238 ± 0.03 |      |

-220

CDD\_MtrCurrQax\_Amp\_G\_f32[1]

-220 ± 0.03



| Test Step 2.48 (Repeat Count = 1)                       |                              |                                     | ~      |  |
|---------------------------------------------------------|------------------------------|-------------------------------------|--------|--|
| Name                                                    | Input Value                  |                                     |        |  |
| Adc2_GetPhsBCurr_Cnt_u16_m                              | 1375                         |                                     |        |  |
| Adc2_GetPhsCCurr_Cnt_u16_m                              | 159                          |                                     |        |  |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                           | 9216                         |                                     |        |  |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16                    | 0                            |                                     |        |  |
| CDD_CDDDataAccessBfr_Cnt_G_u16                          | 0                            |                                     |        |  |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                         |                              | 0.050999999                         |        |  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                         | 0.0129947998                 |                                     |        |  |
| CDD_DCPhsBComp_Cnt_G_u16p0                              | 3367                         |                                     |        |  |
| CDD_DCPhsCComp_Cnt_G_u16p0                              | 3774                         |                                     |        |  |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                         | -52.2750015                  |                                     |        |  |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                         | 82.2750015                   |                                     |        |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                    | 0.023                        |                                     |        |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                    | 0.0240000002                 |                                     |        |  |
| CDD_MtrCurrd_Volts_G_f32[0]                             | 0.0124851996                 |                                     |        |  |
| CDD_MtrCurr1_Volts_G_f32[1]                             | 2.01248527                   |                                     |        |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                    | 0.023                        |                                     |        |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]                    | 0.0240000002<br>0.0124851996 |                                     |        |  |
| CDD_MtrCurr2_Volts_G_f32[0] CDD_MtrCurr2_Volts_G_f32[1] | 1.01248515                   |                                     |        |  |
| CDD_MtrCurrDax Amp G f32[0]                             | -120.012482                  |                                     |        |  |
| CDD_MtrCurrDax_Amp_G_f32[1]                             | 25.0124825                   |                                     |        |  |
| CDD_MtrCurrK1_Amps_G_f32[0]                             | 8.0124855                    |                                     |        |  |
| CDD_MtrCurrK1_Amps_G_f32[1]                             | 28.0124855                   |                                     |        |  |
| CDD MtrCurrK2 Amps G f32[0]                             | -120.012482                  |                                     |        |  |
| CDD_MtrCurrK2_Amps_G_f32[1]                             | 25.0124855                   |                                     |        |  |
| CDD_MtrCurrQax_Amp_G_f32[0]                             | -160.012482                  |                                     |        |  |
| CDD_MtrCurrQax_Amp_G_f32[1]                             | 120.012482                   |                                     |        |  |
| CDD_MtrElecPol_Cnt_G_s8                                 | -1                           |                                     |        |  |
| CDD_Vecu_Volt_G_f32[0]                                  | 28.7099991                   |                                     |        |  |
| CDD_Vecu_Volt_G_f32[1]                                  | 8.7799973                    |                                     |        |  |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32           | 5.5000004e-005               |                                     |        |  |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32           | 3.999999e-005                |                                     |        |  |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16                      | 65535                        |                                     |        |  |
| Rte_Inst_Sa_CmMtrCurr                                   | tgt_Rte_Inst_Sa_CmMtrCurr    |                                     |        |  |
| k_MtrCurrOffLoComOff_Cnt_u16                            | 790                          |                                     |        |  |
| k_MtrPosComputDelay_Sec_f32                             | 6.3999998e-005               |                                     |        |  |
| k_NoofPoles_Uls_f32                                     | 2.15225244                   |                                     |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32         | 1.3999998                    |                                     |        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32         | 108.275002                   |                                     |        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32         | 95.2750015                   |                                     |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32         | 2.38199997                   |                                     |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                 | tgt_Pim_ShCurrCal            |                                     |        |  |
| Name                                                    | Actual Value                 | Expected Value                      | Result |  |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                         | 0.0827331543                 | 0.0827331543 ± 0.0000152587890625   | -      |  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                         | 0.0129947998                 | 0.0129947998 ± 0.0000152587890625   | •      |  |
| CDD_ElecPosDelayComp_Rad_G_f32                          | -0.00360028818               | -0.00360028795 ± 0.0000152587890625 | •      |  |
| CDD_MtrCurr1_Volts_G_f32[0]                             | 1.63492072                   | 1.63492072 ± 32                     | •      |  |
| CDD_MtrCurr1_Volts_G_f32[1]                             | 2.01248527                   | 2.01248527 ± 32                     | •      |  |
| CDD_MtrCurr2_Volts_G_f32[0]                             | 0.150183156                  | 0.150183156 ± 32                    | •      |  |
| CDD_MtrCurr2_Volts_G_f32[1]                             | 1.01248515                   | 1.01248515 ± 32                     | •      |  |
| CDD_MtrCurrDax_Amp_G_f32[0]                             | 220                          | 220 ± 0.03                          | •      |  |
| CDD_MtrCurrDax_Amp_G_f32[1]                             | 25.0124855                   | 25.0124855 ± 0.03                   | •      |  |
| CDD_MtrCurrK1_Amps_G_f32[0]                             | 984.020691                   | 984.02063 ± 32                      | •      |  |
| CDD_MtrCurrK1_Amps_G_f32[1]                             | 28.0124855                   | 28.0124855 ± 32                     | •      |  |
| CDD_MtrCurrK2_Amps_G_f32[0]                             | 5.51565886                   | 5.5156765 ± 32                      | •      |  |
| CDD_MtrCurrK2_Amps_G_f32[1]                             | 25.0124855                   | 25.0124855 ± 32                     | •      |  |
| CDD_MtrCurrQax_Amp_G_f32[0]                             | 220                          | 220 ± 0.03                          | •      |  |
| CDD_MtrCurrQax_Amp_G_f32[1]                             | 120.012482                   | 120.012482 ± 0.03                   |        |  |

| Test Step 2.49 (Repeat Count = 1)    | ✓           |
|--------------------------------------|-------------|
| Name                                 | Input Value |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 1386        |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 753         |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 9984        |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 1           |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 1           |

CurrDQPer1



| Name                                            | Input Value               |                                   |          |
|-------------------------------------------------|---------------------------|-----------------------------------|----------|
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0520000011              |                                   |          |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0132496003              |                                   |          |
| CDD_DCPhsBComp_Cnt_G_u16p0                      | 3466                      |                                   |          |
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 3884                      |                                   |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | -44.2999992               |                                   |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 89.3000031                |                                   |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | 0.0240000002              |                                   |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | 0.0250000004              |                                   |          |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.01605237                |                                   |          |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.01605248                |                                   |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | 0.0240000002              |                                   |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | 0.0250000004              |                                   |          |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.01605237                |                                   |          |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 2.01605248                |                                   |          |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -200.012741               |                                   |          |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 198.012741                |                                   |          |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 6.01274014                |                                   |          |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 25.0127392                |                                   |          |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -200.012741               |                                   |          |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 198.012741                |                                   |          |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -140.012741               |                                   |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 63.0127411                |                                   |          |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                   |          |
| CDD_Vecu_Volt_G_f32[0]                          | 29.7199993                |                                   |          |
| CDD_Vecu_Volt_G_f32[1]                          | 9.78999996                |                                   |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 9.79999968e-005           |                                   |          |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 4.09999993e-005           |                                   |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 32768                     |                                   |          |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                   |          |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 800                       |                                   |          |
| k_MtrPosComputDelay_Sec_f32                     | 6.50000002e-005           |                                   |          |
| k_NoofPoles_Uls_f32                             | 3.97869086                |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 1.5                       |                                   |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 109.300003                |                                   |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 97.3000031                |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.3829999                 |                                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                   |          |
| Name                                            | Actual Value              | Expected Value                    | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0520000011              | 0.0520000011 ± 0.0000152587890625 | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.418502808               | 0.418502808 ± 0.0000152587890625  | ~        |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.0115471566              | 0.0115471557 ± 0.0000152587890625 | ~        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.01605237                | 1.01605237 ± 32                   | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.64468873                | 1.64468873 ± 32                   | ~        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.01605237                | 1.01605237 ± 32                   | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.871794879               | 0.871794879 ± 32                  | ~        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -200.012741               | -200.012741 ± 0.03                | ~        |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | -220                      | -220 ± 0.03                       | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 6.01274014                | 6.01274014 ± 32                   | ~        |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 563.91449                 | 563.91449 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -200.012741               | -200.012741 ± 32                  | ~        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 32.7510109                | 32.7509842 ± 32                   | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -140.012741               | -140.012741 ± 0.03                | ~        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 220                       | 220 ± 0.03                        |          |

| Test Step 2.50 (Repeat Count = 1)    | ✓             |
|--------------------------------------|---------------|
| Name                                 | Input Value   |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 1397          |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 357           |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 10752         |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 1             |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 0             |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.0529999994  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.0135043999  |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 3565          |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 3994          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | -52.3250008   |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | 83.3249969    |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] | -0.0250000004 |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1] | -0.0240000002 |
| CDD_MtrCurr1_Volts_G_f32[0]          | 2.01299477    |
| CDD_MtrCurr1_Volts_G_f32[1]          | 1.01299477    |





| Name                                            | Input Value               |                                    |        |  |
|-------------------------------------------------|---------------------------|------------------------------------|--------|--|
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | -0.0250000004             |                                    |        |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | -0.0240000002             |                                    |        |  |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 2.01299477                |                                    |        |  |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.01299477                |                                    |        |  |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -180.013                  |                                    |        |  |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 125.012993                |                                    |        |  |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 7.01299477                |                                    |        |  |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 27.0129948                |                                    |        |  |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -180.013                  |                                    |        |  |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 125.012993                |                                    |        |  |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -120.012993               |                                    |        |  |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 25.0129948                |                                    |        |  |
| CDD_MtrElecPol_Cnt_G_s8                         | -1                        |                                    |        |  |
| CDD_Vecu_Volt_G_f32[0]                          | 30.7299995                |                                    |        |  |
| CDD_Vecu_Volt_G_f32[1]                          | 10.8000002                |                                    |        |  |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 0                         |                                    |        |  |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 4.19999997e-005           |                                    |        |  |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 11928                     |                                    |        |  |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |        |  |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 810                       |                                    |        |  |
| k_MtrPosComputDelay_Sec_f32                     | 6.60000005e-005           |                                    |        |  |
| k_NoofPoles_Uls_f32                             | 2.43344188                |                                    |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 1.6000002                 |                                    |        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 110.324997                |                                    |        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 99.3249969                |                                    |        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.38400006                |                                    |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                    |        |  |
| Name                                            | Actual Value              | Expected Value                     | Result |  |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.266403198               | 0.266403198 ± 0.0000152587890625   | -      |  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0135043999              | 0.0135043999 ± 0.0000152587890625  | •      |  |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.00669129612             | 0.00669129565 ± 0.0000152587890625 | •      |  |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.65445673                | 1.65445673 ± 32                    | •      |  |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.01299477                | 1.01299477 ± 32                    | •      |  |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0.384615391               | 0.384615391 ± 32                   | •      |  |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.01299477                | 1.01299477 ± 32                    | •      |  |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | 156.86557                 | 156.86557 ± 0.03                   | •      |  |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 125.012993                | 125.012993 ± 0.03                  | •      |  |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 311.672607                | 311.672607 ± 32                    | •      |  |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 27.0129948                | 27.0129948 ± 32                    |        |  |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | 189.938965                | 189.938965 ± 32                    | •      |  |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 125.012993                | 125.012993 ± 32                    | -      |  |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | 220                       | 220 ± 0.03                         | •      |  |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 25.0129948                | 25.0129948 ± 0.03                  | •      |  |

| Test Step 2.51 (Repeat Count = 1)    | <b>✓</b>      |
|--------------------------------------|---------------|
| Name                                 | Input Value   |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 1408          |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 352           |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 11520         |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 0             |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 1             |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.0540000014  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.0137592005  |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 3664          |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 4104          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | -44.3499985   |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | 90.3499985    |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] | -0.0240000002 |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1] | -0.023        |
| CDD_MtrCurr1_Volts_G_f32[0]          | 2.01324964    |
| CDD_MtrCurr1_Volts_G_f32[1]          | 1.01324964    |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0] | -0.0240000002 |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1] | -0.023        |
| CDD_MtrCurr2_Volts_G_f32[0]          | 1.01324964    |
| CDD_MtrCurr2_Volts_G_f32[1]          | 2.01324964    |
| CDD_MtrCurrDax_Amp_G_f32[0]          | -160.013245   |
| CDD_MtrCurrDax_Amp_G_f32[1]          | 120.013252    |
| CDD_MtrCurrK1_Amps_G_f32[0]          | 8.0132494     |
| CDD_MtrCurrK1_Amps_G_f32[1]          | 29.0132504    |
| CDD_MtrCurrK2_Amps_G_f32[0]          | -160.013245   |
| CDD_MtrCurrK2_Amps_G_f32[1]          | 120.013252    |





| Name                                            | Input Value               |                                     |          |
|-------------------------------------------------|---------------------------|-------------------------------------|----------|
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -200.013245               |                                     |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 198.013245                |                                     |          |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                     |          |
| CDD_Vecu_Volt_G_f32[0]                          | 31                        |                                     |          |
| CDD_Vecu_Volt_G_f32[1]                          | 11.8100004                |                                     |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 0.000171428997            |                                     |          |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 4.3e-005                  |                                     |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 13763                     |                                     |          |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                     |          |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 820                       |                                     |          |
| k_MtrPosComputDelay_Sec_f32                     | 6.70000009e-005           |                                     |          |
| k_NoofPoles_Uls_f32                             | 2.01812696                |                                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 1.70000005                |                                     |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 111.349998                |                                     |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 101.349998                |                                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.38499999                |                                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                     |          |
| Name                                            | Actual Value              | Expected Value                      | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0540000014              | 0.0540000014 ± 0.0000152587890625   | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.126205444               | 0.126205444 ± 0.0000152587890625    | <b>✓</b> |
| CDD_ElecPosDelayComp_Rad_G_f32                  | -0.00299838162            | -0.00299838162 ± 0.0000152587890625 | ~        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.01324964                | 2.01324964 ± 32                     | •        |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.66422474                | 1.66422474 ± 32                     | ~        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.01324964                | 1.01324964 ± 32                     | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.374847382               | 0.374847382 ± 32                    | -        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -160.013245               | -160.013245 ± 0.03                  | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 220                       | 220 ± 0.03                          | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 8.0132494                 | 8.0132494 ± 32                      | ~        |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 2530.12866                | 2530.12866 ± 32                     | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -160.013245               | -160.013245 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 784.670288                | 784.670288 ± 32                     | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -200.013245               | -200.013245 ± 0.03                  | ~        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 220                       | 220 ± 0.03                          | <b>✓</b> |

| Name                                          | Input Value               |  |
|-----------------------------------------------|---------------------------|--|
| Adc2 GetPhsBCurr Cnt u16 m                    | 1419                      |  |
| Adc2 GetPhsCCurr Cnt u16 m                    | 421                       |  |
| CDD ADC2OffsetComp Cnt G u8p8                 | 12288                     |  |
| CDD AppDataFwdPthAccessBfr Cnt G u16          | 1                         |  |
| CDD CDDDataAccessBfr Cnt G u16                | 0                         |  |
| CDD CorrMtrPosElec Rev G f32[0]               | 0.0549999997              |  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]               | 0.0140140001              |  |
| CDD_DCPhsBComp_Cnt_G_u16p0                    | 3466                      |  |
| CDD_DCPhsCComp_Cnt_G_u16p0                    | 3884                      |  |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]               | -52.375                   |  |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]               | 84.375                    |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]          | -0.023                    |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]          | -0.0219999999             |  |
| CDD_MtrCurr1_Volts_G_f32[0]                   | 0.0135043999              |  |
| CDD_MtrCurr1_Volts_G_f32[1]                   | 2.01350451                |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]          | -0.023                    |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]          | -0.0219999999             |  |
| CDD_MtrCurr2_Volts_G_f32[0]                   | 0.0135043999              |  |
| CDD_MtrCurr2_Volts_G_f32[1]                   | 1.01350439                |  |
| CDD_MtrCurrDax_Amp_G_f32[0]                   | -140.013504               |  |
| CDD_MtrCurrDax_Amp_G_f32[1]                   | 63.013504                 |  |
| CDD_MtrCurrK1_Amps_G_f32[0]                   | 6.01350451                |  |
| CDD_MtrCurrK1_Amps_G_f32[1]                   | 26.013504                 |  |
| CDD_MtrCurrK2_Amps_G_f32[0]                   | -140.013504               |  |
| CDD_MtrCurrK2_Amps_G_f32[1]                   | 63.013504                 |  |
| CDD_MtrCurrQax_Amp_G_f32[0]                   | -180.013504               |  |
| CDD_MtrCurrQax_Amp_G_f32[1]                   | 125.013504                |  |
| CDD_MtrElecPol_Cnt_G_s8                       | -1                        |  |
| CDD_Vecu_Volt_G_f32[0]                        | 5.75                      |  |
| CDD_Vecu_Volt_G_f32[1]                        | 12.8199997                |  |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32 | 7.9999998e-005            |  |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 | 4.40000003e-005           |  |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16            | 15598                     |  |
| Rte_Inst_Sa_CmMtrCurr                         | tgt_Rte_Inst_Sa_CmMtrCurr |  |
| <pre>&lt;_MtrCurrOffLoComOff_Cnt_u16</pre>    | 830                       |  |





| Name                                            | Input Value       |                                   |          |
|-------------------------------------------------|-------------------|-----------------------------------|----------|
| k_MtrPosComputDelay_Sec_f32                     | 6.80000012e-005   |                                   |          |
| k_NoofPoles_Uls_f32                             | 4.59762669        |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 1.79999995        |                                   |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 112.375           |                                   |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 103.375           |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.38599992        |                                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal |                                   |          |
| Name                                            | Actual Value      | Expected Value                    | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.323440552       | 0.323440552 ± 0.0000152587890625  | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0140140001      | 0.0140140001 ± 0.0000152587890625 | ~        |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.0131894415      | 0.0131894415 ± 0.0000152587890625 | ~        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.67399275        | 1.67399275 ± 32                   | ~        |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.01350451        | 2.01350451 ± 32                   | ~        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0.455433458       | 0.455433458 ± 32                  | ~        |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.01350439        | 1.01350439 ± 32                   | ~        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -220              | -220 ± 0.03                       | ~        |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 63.013504         | 63.013504 ± 0.03                  | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 714.674683        | 714.674683 ± 32                   | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 26.013504         | 26.013504 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -7.30865431       | -7.30861902 ± 32                  | ~        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 63.013504         | 63.013504 ± 32                    | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | 220               | 220 ± 0.03                        | ~        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 125.013504        | 125.013504 ± 0.03                 | ~        |

| Name                                            | Input Value               |                                   |      |
|-------------------------------------------------|---------------------------|-----------------------------------|------|
| Adc2 GetPhsBCurr Cnt u16 m                      | 1430                      |                                   |      |
| Adc2 GetPhsCCurr Cnt u16 m                      | 124                       |                                   |      |
| CDD ADC2OffsetComp Cnt G u8p8                   | 13056                     |                                   |      |
| CDD AppDataFwdPthAccessBfr Cnt G u16            | 0                         |                                   |      |
| CDD_CDDDataAccessBfr_Cnt_G_u16                  | 1                         |                                   |      |
| CDD CorrMtrPosElec Rev G f32[0]                 | 0.0560000017              |                                   |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0142687997              |                                   |      |
| CDD DCPhsBComp Cnt G u16p0                      | 3664                      |                                   |      |
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 4104                      |                                   |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | -44.4000015               |                                   |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 91.4000015                |                                   |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | -0.0219999999             |                                   |      |
| CDD MtrCurr1TempOffset Volt G f32[1]            | -0.0209999997             |                                   |      |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.01375926                |                                   |      |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.01375914                |                                   |      |
| CDD MtrCurr2TempOffset Volt G f32[0]            | -0.0219999999             |                                   |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | -0.0209999997             |                                   |      |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.01375926                |                                   |      |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 2.01375914                |                                   |      |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -120.013756               |                                   |      |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 25.0137596                |                                   |      |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 7.01375914                |                                   |      |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 28.0137596                |                                   |      |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -120.013756               |                                   |      |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 25.0137596                |                                   |      |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -160.013763               |                                   |      |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 120.013756                |                                   |      |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                   |      |
| CDD_Vecu_Volt_G_f32[0]                          | 6.76000023                |                                   |      |
| CDD_Vecu_Volt_G_f32[1]                          | 13.8299999                |                                   |      |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 6.19999992e-005           |                                   |      |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 0                         |                                   |      |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 17433                     |                                   |      |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                   |      |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 840                       |                                   |      |
| k_MtrPosComputDelay_Sec_f32                     | 6.90000015e-005           |                                   |      |
| k_NoofPoles_Uls_f32                             | 2.17562199                |                                   |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 1.89999998                |                                   |      |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 113.400002                |                                   |      |
| gt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32  | 105.400002                |                                   |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.38700008                |                                   |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                   |      |
| Name                                            | Actual Value              | Expected Value                    | Resu |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0560000017              | 0.0560000017 ± 0.0000152587890625 |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.182144165               | 0.182144165 ± 0.0000152587890625  |      |





| Name                           | Actual Value   | Expected Value                      | Result   |
|--------------------------------|----------------|-------------------------------------|----------|
| CDD_ElecPosDelayComp_Rad_G_f32 | -0.00333261793 | -0.00333261793 ± 0.0000152587890625 | ~        |
| CDD_MtrCurr1_Volts_G_f32[0]    | 1.01375926     | 1.01375926 ± 32                     | ~        |
| CDD_MtrCurr1_Volts_G_f32[1]    | 1.68376076     | 1.68376076 ± 32                     | ~        |
| CDD_MtrCurr2_Volts_G_f32[0]    | 1.01375926     | 1.01375926 ± 32                     | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[1]    | 0.0891330913   | 0.0891330913 ± 32                   | ~        |
| CDD_MtrCurrDax_Amp_G_f32[0]    | -120.013756    | -120.013756 ± 0.03                  | •        |
| CDD_MtrCurrDax_Amp_G_f32[1]    | 139.496811     | 139.496811 ± 0.03                   | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]    | 7.01375914     | 7.01375914 ± 32                     | ~        |
| CDD_MtrCurrK1_Amps_G_f32[1]    | 417.035187     | 417.035156 ± 32                     | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]    | -120.013756    | -120.013756 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[1]    | -36.2100029    | -36.2099915 ± 32                    | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]    | -160.013763    | -160.013763 ± 0.03                  | ~        |
| CDD_MtrCurrQax_Amp_G_f32[1]    | 220            | 220 ± 0.03                          | ~        |

| Name                                                                      | Input Value               |                                    |      |
|---------------------------------------------------------------------------|---------------------------|------------------------------------|------|
| Adc2_GetPhsBCurr_Cnt_u16_m                                                | 1441                      |                                    |      |
| Adc2_GetPhsCCurr_Cnt_u16_m                                                | 210                       |                                    |      |
|                                                                           | 13824                     |                                    |      |
| CDD_ADC2OffsetComp_Cnt_G_u8p8  CDD_AppData=SudDthAcceppEr_Cnt_C_u16       | 13024                     |                                    |      |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16                                      | 0                         |                                    |      |
| CDD_CDDDataAccessBfr_Cnt_G_u16                                            | 0.057                     |                                    |      |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                                           |                           |                                    |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                                           | 0.0145236002<br>3763      |                                    |      |
| CDD_DCPhsBComp_Cnt_G_u16p0                                                | 4214                      |                                    |      |
| CDD_DCPhsCComp_Cnt_G_u16p0  CDD_MREMth(c)_MtrBodos_C_f33f01               | -52.4249992               |                                    |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0] CDD MRFMtrVel MtrRadpS G f32[1]           | 85.4250031                |                                    |      |
|                                                                           | -0.020999997              |                                    |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] CDD_MtrCurr1TempOffset_Volt_G_f32[4] | -0.0199999996             |                                    |      |
| CDD_MtrCurr1 TempOffset_Volt_G_f32[1] CDD_MtrCurr1 Volto_C_f32[0]         |                           |                                    |      |
| CDD_MtrCurr1_Volts_G_f32[0]                                               | 2.01401401                |                                    |      |
| CDD_MtrCurr1_Volts_G_f32[1]                                               | 1.01401401                |                                    |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                                      | -0.0209999997             |                                    |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1] CDD_MtrCurr2_Volto_C_f33[0]          | -0.0020000009             |                                    |      |
| CDD_MtrCurr2_Volts_G_f32[0]                                               | 2.01401401                |                                    |      |
| CDD_MtrCurr2_Volts_G_f32[1]                                               | 1.01401401                |                                    |      |
| CDD_MtrCurrDax_Amp_G_f32[0]                                               | -200.014008               |                                    |      |
| CDD_MtrCurrDax_Amp_G_f32[1]                                               | 198.014008                |                                    |      |
| CDD_MtrCurrK1_Amps_G_f32[0]                                               | 8.01401424                |                                    |      |
| CDD_MtrCurrK1_Amps_G_f32[1]                                               | 30.0140133                |                                    |      |
| CDD_MtrCurrK2_Amps_G_f32[0]                                               | -200.014008               |                                    |      |
| CDD_MtrCurrK2_Amps_G_f32[1]                                               | 198.014008                |                                    |      |
| CDD_MtrCurrQax_Amp_G_f32[0]                                               | -140.014008               |                                    |      |
| CDD_MtrCurrQax_Amp_G_f32[1]                                               | 63.0140152                |                                    |      |
| CDD_MtrElecPol_Cnt_G_s8                                                   | -1                        |                                    |      |
| CDD_Vecu_Volt_G_f32[0]                                                    | 7.76999998                |                                    |      |
| CDD_Vecu_Volt_G_f32[1]                                                    | 14.8400002                |                                    |      |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32                             | 6.2999995e-005            |                                    |      |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32                             | 0.000171428997            |                                    |      |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16                                        | 19268                     |                                    |      |
| Rte_Inst_Sa_CmMtrCurr                                                     | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |      |
| k_MtrCurrOffLoComOff_Cnt_u16                                              | 850                       |                                    |      |
| k_MtrPosComputDelay_Sec_f32                                               | 7.0000019e-005            |                                    |      |
| k_NoofPoles_Uls_f32                                                       | 3.3035264                 |                                    |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                           | 2                         |                                    |      |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32                           | 114.425003                |                                    |      |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32                           | 107.425003                |                                    |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                           | 2.38800001                |                                    |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                                   | tgt_Pim_ShCurrCal         |                                    |      |
| Name                                                                      | Actual Value              | Expected Value                     | Resu |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                                           | 0.37890625                | 0.37890625 ± 0.0000152587890625    |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                                           | 0.0145236002              | 0.0145236002 ± 0.0000152587890625  |      |
| CDD_ElecPosDelayComp_Rad_G_f32                                            | 0.00987713225             | 0.00987713132 ± 0.0000152587890625 |      |
| CDD_MtrCurr1_Volts_G_f32[0]                                               | 1.69352877                | 1.69352877 ± 32                    |      |
| CDD_MtrCurr1_Volts_G_f32[1]                                               | 1.01401401                | 1.01401401 ± 32                    |      |
| CDD_MtrCurr2_Volts_G_f32[0]                                               | 0.190476194               | 0.190476194 ± 32                   |      |
| CDD_MtrCurr2_Volts_G_f32[1]                                               | 1.01401401                | 1.01401401 ± 32                    |      |
| CDD_MtrCurrDax_Amp_G_f32[0]                                               | -220                      | -220 ± 0.03                        |      |
| CDD_MtrCurrDax_Amp_G_f32[1]                                               | 198.014008                | 198.014008 ± 0.03                  |      |
| CDD_MtrCurrK1_Amps_G_f32[0]                                               | 1424.60181                | 1424.60181 ± 32                    |      |
| CDD MtrCurrK1 Amps G f32[1]                                               | 30.0140133                | 30.0140133 ± 32                    |      |
| CDD_MtrCurrK2_Amps_G_f32[0]                                               | 369.096069                | 369.096069 ± 32                    |      |





| Name                        | Actual Value | Expected Value    | Result |
|-----------------------------|--------------|-------------------|--------|
| CDD_MtrCurrK2_Amps_G_f32[1] | 198.014008   | 198.014008 ± 32   | ~      |
| CDD_MtrCurrQax_Amp_G_f32[0] | 220          | 220 ± 0.03        | ~      |
| CDD_MtrCurrQax_Amp_G_f32[1] | 63.0140152   | 63.0140152 ± 0.03 | ~      |

| Test Step 2.55 (Repeat Count = 1)                        |                              |                                    | V         |
|----------------------------------------------------------|------------------------------|------------------------------------|-----------|
| Name                                                     | Input Value                  |                                    |           |
| Adc2_GetPhsBCurr_Cnt_u16_m                               | 1452                         |                                    |           |
| Adc2_GetPhsCCurr_Cnt_u16_m                               | 218                          |                                    |           |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                            | 14592                        |                                    |           |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16                     | 0                            |                                    |           |
| CDD_CDDDataAccessBfr_Cnt_G_u16                           | 1                            |                                    |           |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                          | 0.0579999983                 |                                    |           |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                          | 0.0147783998                 |                                    |           |
| CDD_DCPhsBComp_Cnt_G_u16p0                               | 3862                         |                                    |           |
| CDD_DCPhsCComp_Cnt_G_u16p0                               | 4324                         |                                    |           |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                          | -44.4500008                  |                                    |           |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                          | 92.4499969                   |                                    |           |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                     | -0.0099999978                |                                    |           |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                     | -0.0089999961                |                                    |           |
| CDD_MtrCurr1_Volts_G_f32[0]                              | 2.01426888                   |                                    |           |
| CDD_MtrCurr1_Volts_G_f32[1]                              | 4.01426888                   |                                    |           |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                     | 0.0049999989                 |                                    |           |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]                     | 0.0060000005                 |                                    |           |
| CDD_MtrCurr2_Volts_G_f32[0]                              | 1.01426876                   |                                    |           |
| CDD_MtrCurr2_Volts_G_f32[1]                              | 4.01426888                   |                                    |           |
| CDD_MtrCurrDax_Amp_G_f32[0]                              | -180.014267                  |                                    |           |
| CDD_MtrCurrDax_Amp_G_f32[1]                              | 125.014267                   |                                    |           |
| CDD_MtrCurrK1_Amps_G_f32[0]                              | 3.01426888                   |                                    |           |
| CDD_MtrCurrK1_Amps_G_f32[1]                              | 9.01426888                   |                                    |           |
| CDD_MtrCurrK2_Amps_G_f32[0]                              | -180.014267                  |                                    |           |
| CDD_MtrCurrK2_Amps_G_f32[1]                              | 125.014267                   |                                    |           |
| CDD_MtrCurrQax_Amp_G_f32[0]                              | -120.014267                  |                                    |           |
| CDD_MtrCurrQax_Amp_G_f32[1]                              | 25.0142689                   |                                    |           |
| CDD_MtrElecPol_Cnt_G_s8                                  | 1                            |                                    |           |
| CDD_Vecu_Volt_G_f32[0]                                   | 8.77999973                   |                                    |           |
| CDD_Vecu_Volt_G_f32[1]                                   | 15.8500004<br>6.3999998e-005 |                                    |           |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32            |                              |                                    |           |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32            | 8.4999997e-005<br>21103      |                                    |           |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16 Rte Inst Sa CmMtrCurr | tgt Rte Inst Sa CmMtrCurr    |                                    |           |
| k MtrCurrOffLoComOff Cnt u16                             | 860                          |                                    |           |
| k MtrPosComputDelay Sec f32                              | 7.10000022e-005              |                                    |           |
| k_NoofPoles_Uls_f32                                      | 4.8907547                    |                                    |           |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32          | 2.0999999                    |                                    |           |
| tgt Pim ShCurrCal.EOLPhscurr1Gain AmpspVolt f32          | 115.449997                   |                                    |           |
| tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32          | 109.449997                   |                                    |           |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32          | 2.38899994                   |                                    |           |
| tgt Rte Inst Sa CmMtrCurr.Pim ShCurrCal                  | tgt_Pim_ShCurrCal            |                                    |           |
| Name                                                     | Actual Value                 | Expected Value                     | Result    |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                          | 0.0579999983                 | 0.0579999983 ± 0.0000152587890625  | - 100 UII |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                          | 0.237457275                  | 0.237457275 ± 0.0000152587890625   | •         |
| CDD_ElecPosDelayComp_Rad_G_f32                           | -0.0077174888                | -0.0077174888 ± 0.0000152587890625 |           |
| CDD_MtrCurr1_Volts_G_f32[0]                              | 2.01426888                   | 2.01426888 ± 32                    | •         |
| CDD_MtrCurr1_Volts_G_f32[1]                              | 1.70329678                   | 1.70329678 ± 32                    |           |
| CDD_MtrCurr2_Volts_G_f32[0]                              | 1.01426876                   | 1.01426876 ± 32                    | -         |
| CDD MtrCurr2 Volts G f32[1]                              | 0.1965812                    | 0.1965812 ± 32                     |           |
| CDD_MtrCurrDax_Amp_G_f32[0]                              | -180.014267                  | -180.014267 ± 0.03                 | ~         |
| CDD_MtrCurrDax_Amp_G_f32[1]                              | -65.0772858                  | -65.0772324 ± 0.03                 |           |
| CDD_MtrCurrK1_Amps_G_f32[0]                              | 3.01426888                   | 3.01426888 ± 32                    | •         |
| CDD_MtrCurrK1_Amps_G_f32[1]                              | 755.085693                   | 755.085693 ± 32                    |           |
| CDD MtrCurrK2 Amps G f32[0]                              | -180.014267                  | -180.014267 ± 32                   | -         |
| CDD_MtrCurrK2_Amps_G_f32[1]                              | -124.910385                  | -124.910347 ± 32                   | -         |
| CDD_MtrCurrQax_Amp_G_f32[0]                              | -120.014267                  | -120.014267 ± 0.03                 | •         |
| CDD_MtrCurrQax_Amp_G_f32[1]                              | 220                          | 220 ± 0.03                         | ~         |
|                                                          |                              |                                    |           |

| Test Step 2.56 (Repeat Count = 1) | <b>✓</b>    |
|-----------------------------------|-------------|
| Name                              | Input Value |
| Adc2_GetPhsBCurr_Cnt_u16_m        | 1837        |





| Name                                            | Input Value                  |                                                        |          |
|-------------------------------------------------|------------------------------|--------------------------------------------------------|----------|
| Adc2_GetPhsCCurr_Cnt_u16_m                      | 480                          |                                                        |          |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                   | 15360                        |                                                        |          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16            | 0                            |                                                        |          |
| CDD_CDDDataAccessBfr_Cnt_G_u16                  | 0                            |                                                        |          |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.059000004                  |                                                        |          |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0150332004                 |                                                        |          |
| CDD_DCPhsBComp_Cnt_G_u16p0                      | 3961                         |                                                        |          |
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 4434                         |                                                        |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | 1.47500002                   |                                                        |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 15.4750004                   |                                                        |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | -0.0189999994                |                                                        |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | -0.0179999992                |                                                        |          |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.01452351                   |                                                        |          |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.01452363                   |                                                        |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | -0.0189999994                |                                                        |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | -0.0179999992                |                                                        |          |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 2.01452351                   |                                                        |          |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.01452363                   |                                                        |          |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -160.014526                  |                                                        |          |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 120.014526                   |                                                        |          |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 4.01452351                   |                                                        |          |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 18.0145245                   |                                                        |          |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -160.014526                  |                                                        |          |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 120.014526                   |                                                        |          |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -120.014526                  |                                                        |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 25.0145245                   |                                                        |          |
| CDD_MtrElecPol_Cnt_G_s8                         | -1                           |                                                        |          |
| CDD_Vecu_Volt_G_f32[0]                          | 9.78999996                   |                                                        |          |
| CDD_Vecu_Volt_G_f32[1]                          | 16.8600006                   |                                                        |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 6.50000002e-005              |                                                        |          |
| CmMtrCurr MtrCurr2OffDelta VoltpVoltCnt M f32   | 6.19999992e-005              |                                                        |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 1442                         |                                                        |          |
| Rte Inst Sa CmMtrCurr                           | tgt Rte Inst Sa CmMtrCurr    |                                                        |          |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 870                          |                                                        |          |
| k_MtrPosComputDelay_Sec_f32                     | 0.000106                     |                                                        |          |
| k_NoofPoles_Uls_f32                             | 2.0648644                    |                                                        |          |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32 | 2.20000005                   |                                                        |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 68.4749985                   |                                                        |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 49.4749985                   |                                                        |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.42400002                   |                                                        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal            |                                                        |          |
| Name                                            | Actual Value                 | Expected Value                                         | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.105361938                  | 0.105361938 ± 0.0000152587890625                       | result   |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0150332004                 | 0.0150332004 ± 0.0000152587890625                      | -        |
| CDD ElecPosDelayComp Rad G f32                  |                              |                                                        |          |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 0.000161420772<br>2.16971922 | 0.000161420772 ± 0.0000152587890625<br>2.16971922 ± 32 | -        |
| CDD MtrCurr1 Volts G f32[1]                     | 1.01452363                   | 1.01452363 ± 32                                        |          |
| CDD_MtrCurr2_Volts_G_132[0]                     | 0.512820542                  | 0.512820542 ± 32                                       | -        |
|                                                 |                              |                                                        |          |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.01452363                   | 1.01452363 ± 32                                        |          |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | 220                          | 220 ± 0.03                                             | ~        |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 120.014526                   | 120.014526 ± 0.03                                      | <b>*</b> |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 342.509766                   | 342.509735 ± 32                                        | <b>V</b> |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 18.0145245                   | 18.0145245 ± 32                                        | <b>V</b> |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | 17.5334911                   | 17.5335007 ± 32                                        | <b>V</b> |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 120.014526                   | 120.014526 ± 32                                        | <b>V</b> |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | 196.711884                   | 196.711853 ± 0.03                                      | ~        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 25.0145245                   | 25.0145245 ± 0.03                                      |          |

| Test Step 2.57 (Repeat Count = 1)    |              | <b>✓</b> |
|--------------------------------------|--------------|----------|
| Name                                 | Input Value  |          |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 1848         |          |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 488          |          |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 16128        |          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 1            |          |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 1            |          |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.0599999987 |          |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.015288     |          |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 4060         |          |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 4544         |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | 2.5          |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | 18.5         |          |





| Name                                                    | Input Value               |                                      |       |
|---------------------------------------------------------|---------------------------|--------------------------------------|-------|
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                    | -0.0219999999             |                                      |       |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                    | -0.0219999999             |                                      |       |
| CDD_MtrCurr1_Volts_G_f32[0]                             | 2.01477838                |                                      |       |
| CDD_MtrCurr1_Volts_G_f32[1]                             | 1.01477838                |                                      |       |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                    | -0.0219999999             |                                      |       |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]                    | -0.0219999999             |                                      |       |
| CDD_MtrCurr2_Volts_G_f32[0]                             | 1.01477838                |                                      |       |
| CDD_MtrCurr2_Volts_G_f32[1]                             | 2.01477838                |                                      |       |
| CDD_MtrCurrDax_Amp_G_f32[0]                             | -140.014786               |                                      |       |
| CDD_MtrCurrDax_Amp_G_f32[1]                             | 63.0147781                |                                      |       |
| CDD_MtrCurrK1_Amps_G_f32[0]                             | 3.01477838                |                                      |       |
| CDD_MtrCurrK1_Amps_G_f32[1]                             | 10.0147781                |                                      |       |
| CDD_MtrCurrK2_Amps_G_f32[0]                             | -140.014786               |                                      |       |
| CDD_MtrCurrK2_Amps_G_f32[1]                             | 63.0147781                |                                      |       |
| CDD_MtrCurrQax_Amp_G_f32[0]                             | -140.014786               |                                      |       |
| CDD_MtrCurrQax_Amp_G_f32[1]                             | 63.0147781                |                                      |       |
| CDD_MtrElecPol_Cnt_G_s8                                 | 1                         |                                      |       |
| CDD_Vecu_Volt_G_f32[0]                                  | 10.8000002                |                                      |       |
| CDD_Vecu_Volt_G_f32[1]                                  | 17.8700008                |                                      |       |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32           | 6.60000005e-005           |                                      |       |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32           | 6.2999995e-005            |                                      |       |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16                      | 1573                      |                                      |       |
| Rte_Inst_Sa_CmMtrCurr                                   | tgt_Rte_Inst_Sa_CmMtrCurr |                                      |       |
| k_MtrCurrOffLoComOff_Cnt_u16                            | 880                       |                                      |       |
| k_MtrPosComputDelay_Sec_f32                             | 0.000107                  |                                      |       |
| k_NoofPoles_UIs_f32                                     | 5.06752682                |                                      |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32         | 2.29999995                |                                      |       |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32         | 70.5                      |                                      |       |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32         | 50.5                      |                                      |       |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32         | 2.42499995                |                                      |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                 | tgt_Pim_ShCurrCal         | l=                                   | 1     |
| Name                                                    | Actual Value              | Expected Value                       | Resul |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                         | 0.059999987               | 0.0599999987 ± 0.0000152587890625    | •     |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                         | 0.941467285               | 0.941467285 ± 0.0000152587890625     | •     |
| CDD_ElecPosDelayComp_Rad_G_f32                          | 0.00501558464             | 0.00501558464 ± 0.0000152587890625   | •     |
| CDD_MtrCurr1_Volts_G_f32[0]                             | 2.01477838                | 2.01477838 ± 32                      |       |
| CDD_MtrCurr1_Volts_G_f32[1]                             | 2.17948723                | 2.17948723 ± 32                      |       |
| CDD_MtrCurr2_Volts_G_f32[0]                             | 1.01477838                | 1.01477838 ± 32                      | •     |
| CDD_MtrCurr2_Volts_G_f32[1]                             | 0.518925548               | 0.518925548 ± 32                     |       |
| CDD_MtrCurrDay_Amp_G_f32[0]                             | -140.014786               | -140.014786 ± 0.03                   |       |
| CDD_MtrCurrUax_Amp_G_f32[1] CDD_MtrCurrU1 Ampa_C_f33[0] | 220                       | 220 ± 0.03                           |       |
| CDD_MtrCurrK1_Amps_G_f32[0]                             | 3.01477838                | 3.01477838 ± 32                      |       |
| CDD_MtrCurrK1_Amps_G_f32[1]                             | 587.543091                | 587.543091 ± 32                      |       |
| CDD_MtrCurrK2_Amps_G_f32[0] CDD_MtrCurrK2_Amps_G_f32[1] | -140.014786               | -140.014786 ± 32                     |       |
| CDD_MtrCurrCay_Amps_G_f32[1]                            | 20.590559<br>-140.014786  | 20.590559 ± 32<br>-140.014786 ± 0.03 |       |
| CDD_MtrCurrQax_Amp_G_f32[0]                             |                           |                                      |       |
| CDD_MtrCurrQax_Amp_G_f32[1]                             | -220                      | -220 ± 0.03                          |       |

| Test Step 2.58 (Repeat Count = 1)    | <b>√</b>      |
|--------------------------------------|---------------|
| Name                                 | Input Value   |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 1859          |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 495           |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 16896         |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 0             |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 0             |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.0610000007  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.0155427996  |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 4159          |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 4654          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | 1.52499998    |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | 16.5249996    |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] | -0.0120000001 |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1] | -0.0109999999 |
| CDD_MtrCurr1_Volts_G_f32[0]          | 1.01503325    |
| CDD_MtrCurr1_Volts_G_f32[1]          | 2.01503325    |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0] | 0.00300000003 |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1] | 0.00400000019 |
| CDD_MtrCurr2_Volts_G_f32[0]          | 2.01503325    |
| CDD_MtrCurr2_Volts_G_f32[1]          | 1.01503325    |
| CDD_MtrCurrDax_Amp_G_f32[0]          | -140.01503    |
| CDD_MtrCurrDax_Amp_G_f32[1]          | 63.0150337    |

CurrDQPer1



| Name                                            | Input Value               |                                     |          |
|-------------------------------------------------|---------------------------|-------------------------------------|----------|
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 4.01503325                |                                     |          |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 19.0150337                |                                     |          |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -140.01503                |                                     |          |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 63.0150337                |                                     |          |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -120.01503                |                                     |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 25.0150337                |                                     |          |
| CDD_MtrElecPol_Cnt_G_s8                         | -1                        |                                     |          |
| CDD_Vecu_Volt_G_f32[0]                          | 11.8100004                |                                     |          |
| CDD_Vecu_Volt_G_f32[1]                          | 18.8799992                |                                     |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 1.4999996e-005            |                                     |          |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 6.3999998e-005            |                                     |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 1704                      |                                     |          |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                     |          |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 890                       |                                     |          |
| k_MtrPosComputDelay_Sec_f32                     | 0.000108                  |                                     |          |
| k_NoofPoles_Uls_f32                             | 3.223979                  |                                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.4000001                 |                                     |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 72.5250015                |                                     |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 51.5250015                |                                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.42600012                |                                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                     |          |
| Name                                            | Actual Value              | Expected Value                      | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.109375                  | 0.109375 ± 0.0000152587890625       | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0155427996              | 0.0155427996 ± 0.0000152587890625   | <b>✓</b> |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.000265494658            | 0.000265494658 ± 0.0000152587890625 | ~        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.18925524                | 2.18925524 ± 32                     | ~        |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.01503325                | 2.01503325 ± 32                     | ~        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0.523809552               | 0.523809552 ± 32                    | ~        |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.01503325                | 1.01503325 ± 32                     | ~        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | 220                       | 220 ± 0.03                          | ~        |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 63.0150337                | 63.0150337 ± 0.03                   | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 288.248108                | 288.248138 ± 32                     | ~        |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 19.0150337                | 19.0150337 ± 32                     | -        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | 93.9359589                | 93.9359665 ± 32                     | ~        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 63.0150337                | 63.0150337 ± 32                     | -        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | 110.249191                | 110.249214 ± 0.03                   | ~        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 25.0150337                | 25.0150337 ± 0.03                   | ~        |

| Test Step 2.59 (Repeat Count = 1)             | 🗸              |
|-----------------------------------------------|----------------|
| Name                                          | Input Value    |
| Adc2_GetPhsBCurr_Cnt_u16_m                    | 1804           |
| Adc2_GetPhsCCurr_Cnt_u16_m                    | 458            |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                 | 17664          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16          | 1.             |
| CDD_CDDDataAccessBfr_Cnt_G_u16                | 1              |
| CDD_CorrMtrPosElec_Rev_G_f32[0]               | 0.061999999    |
| CDD_CorrMtrPosElec_Rev_G_f32[1]               | 0.0157976002   |
| CDD_DCPhsBComp_Cnt_G_u16p0                    | 4258           |
| CDD_DCPhsCComp_Cnt_G_u16p0                    | 4764           |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]               | 2.54999995     |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]               | 16.5499992     |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]          | -0.0199999996  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]          | -0.0199999996  |
| CDD_MtrCurr1_Volts_G_f32[0]                   | 2.01095629     |
| CDD_MtrCurr1_Volts_G_f32[1]                   | 1.01095641     |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]          | -0.00100000005 |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]          | -0.00200000009 |
| CDD_MtrCurr2_Volts_G_f32[0]                   | 2.01095629     |
| CDD_MtrCurr2_Volts_G_f32[1]                   | 1.01095641     |
| CDD_MtrCurrDax_Amp_G_f32[0]                   | -120.015289    |
| CDD_MtrCurrDax_Amp_G_f32[1]                   | 25.0152874     |
| CDD_MtrCurrK1_Amps_G_f32[0]                   | 7.01528788     |
| CDD_MtrCurrK1_Amps_G_f32[1]                   | 28.0152874     |
| CDD_MtrCurrK2_Amps_G_f32[0]                   | -120.015289    |
| CDD_MtrCurrK2_Amps_G_f32[1]                   | 25.0152874     |
| CDD_MtrCurrQax_Amp_G_f32[0]                   | -180.015289    |
| CDD_MtrCurrQax_Amp_G_f32[1]                   | 125.015289     |
| CDD_MtrElecPol_Cnt_G_s8                       | 1              |
| CDD_Vecu_Volt_G_f32[0]                        | 12.8199997     |
| CDD_Vecu_Volt_G_f32[1]                        | 27.7000008     |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32 | 1.6e-005       |





| Name                                            | Input Value               |                                    |          |
|-------------------------------------------------|---------------------------|------------------------------------|----------|
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 6.50000002e-005           |                                    |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 1049                      |                                    |          |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |          |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 900                       |                                    |          |
| k_MtrPosComputDelay_Sec_f32                     | 0.000102999998            |                                    |          |
| k_NoofPoles_Uls_f32                             | 5.39541674                |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 1.8999998                 |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 62.5499992                |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 46.5499992                |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.421                     |                                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                    |          |
| Name                                            | Actual Value              | Expected Value                     | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.061999999               | 0.061999999 ± 0.0000152587890625   | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.933410645               | 0.933410645 ± 0.0000152587890625   | <b>✓</b> |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.00459864829             | 0.00459864829 ± 0.0000152587890625 | -        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.01095629                | 2.01095629 ± 32                    | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.11843729                | 2.11843729 ± 32                    | -        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 2.01095629                | 2.01095629 ± 32                    | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.474969506               | 0.474969506 ± 32                   | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -120.015289               | -120.015289 ± 0.03                 | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 220                       | 220 ± 0.03                         | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 7.01528788                | 7.01528788 ± 32                    | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 464.143768                | 464.143768 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -120.015289               | -120.015289 ± 32                   | •        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | -161.505264               | -161.505264 ± 32                   | •        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -180.015289               | -180.015289 ± 0.03                 | •        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | -41.0038452               | -41.0038528 ± 0.03                 | •        |

| Name                                             | Input Value               |  |
|--------------------------------------------------|---------------------------|--|
| Adc2_GetPhsBCurr_Cnt_u16_m                       | 1815                      |  |
| Adc2_GetPhsCCurr_Cnt_u16_m                       | 465                       |  |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                    | 18432                     |  |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16             | 0                         |  |
| CDD_CDDDataAccessBfr_Cnt_G_u16                   | 0                         |  |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                  | 0.063000001               |  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                  | 0.0160524007              |  |
| CDD_DCPhsBComp_Cnt_G_u16p0                       | 4357                      |  |
| CDD_DCPhsCComp_Cnt_G_u16p0                       | 4874                      |  |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                  | 1.57500005                |  |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                  | 14.5749998                |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]             | -0.0189999994             |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]             | -0.0189999994             |  |
| CDD_MtrCurr1_Volts_G_f32[0]                      | 0.0155427996              |  |
| CDD_MtrCurr1_Volts_G_f32[1]                      | 4.01554298                |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]             | -0.0189999994             |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]             | -0.0189999994             |  |
| CDD_MtrCurr2_Volts_G_f32[0]                      | 0.0155427996              |  |
| CDD_MtrCurr2_Volts_G_f32[1]                      | 4.01554298                |  |
| CDD_MtrCurrDax_Amp_G_f32[0]                      | -200.015549               |  |
| CDD MtrCurrDax Amp G f32[1]                      | 198.015549                |  |
| CDD_MtrCurrK1_Amps_G_f32[0]                      | 8.01554298                |  |
| CDD_MtrCurrK1_Amps_G_f32[1]                      | 30.015543                 |  |
| CDD_MtrCurrK2_Amps_G_f32[0]                      | -200.015549               |  |
| CDD_MtrCurrK2_Amps_G_f32[1]                      | 198.015549                |  |
| CDD MtrCurrQax Amp G f32[0]                      | -160.015549               |  |
| CDD_MtrCurrQax_Amp_G_f32[1]                      | 120.015541                |  |
| CDD MtrElecPol Cnt G s8                          | -1                        |  |
| CDD Vecu Volt G f32[0]                           | 13.8299999                |  |
| CDD_Vecu_Volt_G_f32[1]                           | 28.7099991                |  |
| CmMtrCurr MtrCurr1OffDelta VoltpVoltCnt M f32    | 1.7000003e-005            |  |
| CmMtrCurr MtrCurr2OffDelta VoltpVoltCnt M f32    | 6.6000005e-005            |  |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16               | 1180                      |  |
| Rte Inst Sa CmMtrCurr                            | tgt_Rte_Inst_Sa_CmMtrCurr |  |
| MtrCurrOffLoComOff Cnt u16                       | 910                       |  |
| MtrPosComputDelay Sec f32                        | 0.000103999999            |  |
| <_NoofPoles_Uls_f32                              | 5.4423542                 |  |
| gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2                         |  |
| gt Pim ShCurrCal.EOLPhscurr1Gain AmpspVolt f32   | 64.5749969                |  |
| tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt_132  | 47.5750008                |  |
| tgt_Pim_ShCurrCal.EOLPriscurr2Gain_Ampspvoit_i32 | 2.42199993                |  |





| Name                                    | Input Value       |                                     |          |
|-----------------------------------------|-------------------|-------------------------------------|----------|
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal | tgt_Pim_ShCurrCal |                                     |          |
| Name                                    | Actual Value      | Expected Value                      | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]         | 0.101409912       | 0.101409912 ± 0.0000152587890625    | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]         | 0.0160524007      | 0.0160524007 ± 0.0000152587890625   | ~        |
| CDD_ElecPosDelayComp_Rad_G_f32          | 0.000445728801    | 0.000445728831 ± 0.0000152587890625 | ~        |
| CDD_MtrCurr1_Volts_G_f32[0]             | 2.1282053         | 2.1282053 ± 32                      | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[1]             | 4.01554298        | 4.01554298 ± 32                     | ~        |
| CDD_MtrCurr2_Volts_G_f32[0]             | 0.479853511       | 0.479853511 ± 32                    | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[1]             | 4.01554298        | 4.01554298 ± 32                     | ~        |
| CDD_MtrCurrDax_Amp_G_f32[0]             | 220               | 220 ± 0.03                          | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[1]             | 198.015549        | 198.015549 ± 0.03                   | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]             | 291.858002        | 291.858002 ± 32                     | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[1]             | 30.015543         | 30.015543 ± 32                      | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]             | 109.987984        | 109.987984 ± 32                     | <b>✓</b> |
| CDD_MtrCurrK2_Amps_G_f32[1]             | 198.015549        | 198.015549 ± 32                     | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]             | 85.2288284        | 85.2288284 ± 0.03                   | ~        |
| CDD_MtrCurrQax_Amp_G_f32[1]             | 120.015541        | 120.015541 ± 0.03                   | •        |

| Name                                                                 | Input Value               |                                    |      |
|----------------------------------------------------------------------|---------------------------|------------------------------------|------|
| Adc2_GetPhsBCurr_Cnt_u16_m                                           | 1826                      |                                    |      |
| Adc2_GetPhsCCurr_Cnt_u16_m                                           | 473                       |                                    |      |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                                        | 19200                     |                                    |      |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16                                 | 1                         |                                    |      |
| CDD_CDDDataAccessBfr_Cnt_G_u16                                       | 1                         |                                    |      |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                                      | 0.064000003               |                                    |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                                      | 0.0163071994              |                                    |      |
| CDD DCPhsBComp Cnt G u16p0                                           | 4456                      |                                    |      |
| CDD DCPhsCComp Cnt G u16p0                                           | 4984                      |                                    |      |
| CDD MRFMtrVel MtrRadpS G f32[0]                                      | 2.5999999                 |                                    |      |
|                                                                      | 17.6000004                |                                    |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1] CDD_MtrCurr1TompOffeet_Volt_C_f33[0] |                           |                                    |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                                 | -0.0219999999<br>-0.023   |                                    |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                                 |                           |                                    |      |
| CDD_MtrCurr1_Volts_G_f32[0]                                          | 1.01579762                |                                    |      |
| CDD_MtrCurr1_Volts_G_f32[1]                                          | 2.01579762                |                                    |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                                 | -0.0219999999             |                                    |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]                                 | -0.023                    |                                    |      |
| CDD_MtrCurr2_Volts_G_f32[0]                                          | 1.01579762                |                                    |      |
| CDD_MtrCurr2_Volts_G_f32[1]                                          | 2.01579762                |                                    |      |
| CDD_MtrCurrDax_Amp_G_f32[0]                                          | -180.015793               |                                    |      |
| CDD_MtrCurrDax_Amp_G_f32[1]                                          | 125.0158                  |                                    |      |
| CDD_MtrCurrK1_Amps_G_f32[0]                                          | 3.01579762                |                                    |      |
| CDD_MtrCurrK1_Amps_G_f32[1]                                          | 9.01579762                |                                    |      |
| CDD_MtrCurrK2_Amps_G_f32[0]                                          | -180.015793               |                                    |      |
| CDD_MtrCurrK2_Amps_G_f32[1]                                          | 125.0158                  |                                    |      |
| CDD_MtrCurrQax_Amp_G_f32[0]                                          | -140.015793               |                                    |      |
| CDD_MtrCurrQax_Amp_G_f32[1]                                          | 63.0157967                |                                    |      |
| CDD_MtrElecPol_Cnt_G_s8                                              | 1                         |                                    |      |
| CDD_Vecu_Volt_G_f32[0]                                               | 14.8400002                |                                    |      |
| CDD_Vecu_Volt_G_f32[1]                                               | 29.7199993                |                                    |      |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32                        | 1.80000006e-005           |                                    |      |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32                        | 1.4999996e-005            |                                    |      |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16                                   | 1311                      |                                    |      |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |      |
| C_MtrCurrOffLoComOff_Cnt_u16                                         | 920                       |                                    |      |
| <pre>c_MtrPosComputDelay_Sec_f32</pre>                               | 0.00010499999             |                                    |      |
| C_NoofPoles_Uls_f32                                                  | 4.1064229                 |                                    |      |
| gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32                       | 2.0999999                 |                                    |      |
| gt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32                       | 66.5999985                |                                    |      |
| gt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32                       | 48.5999985                |                                    |      |
| gt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                       | 2.4230001                 |                                    |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                              | tgt_Pim_ShCurrCal         |                                    |      |
| Name                                                                 | Actual Value              | Expected Value                     | Resi |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                                      | 0.064000003               | 0.064000003 ± 0.0000152587890625   |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                                      | 0.937286377               | 0.937286377 ± 0.0000152587890625   |      |
| CDD_ElecPosDelayComp_Rad_G_f32                                       | 0.00379433506             | 0.00379433483 ± 0.0000152587890625 |      |
| CDD_MtrCurr1_Volts_G_f32[0]                                          | 1.01579762                | 1.01579762 ± 32                    |      |
| CDD_MtrCurr1_Volts_G_f32[1]                                          | 2.13797331                | 2.13797331 ± 32                    |      |
| CDD_MtrCurr2_Volts_G_f32[0]                                          | 1.01579762                | 1.01579762 ± 32                    |      |
| CDD_MtrCurr2_Volts_G_f32[1]                                          | 0.485958517               | 0.485958517 ± 32                   |      |
| CDD MtrCurrDax Amp G f32[0]                                          | -180.015793               | -180.015793 ± 0.03                 |      |





| Name                        | Actual Value | Expected Value     | Result   |
|-----------------------------|--------------|--------------------|----------|
| CDD_MtrCurrDax_Amp_G_f32[1] | 220          | 220 ± 0.03         | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[0] | 3.01579762   | 3.01579762 ± 32    | ✓        |
| CDD_MtrCurrK1_Amps_G_f32[1] | 310.365723   | 310.365662 ± 32    | <b>✓</b> |
| CDD_MtrCurrK2_Amps_G_f32[0] | -180.015793  | -180.015793 ± 32   | ✓        |
| CDD_MtrCurrK2_Amps_G_f32[1] | -16.685545   | -16.6855621 ± 32   | <b>✓</b> |
| CDD_MtrCurrQax_Amp_G_f32[0] | -140.015793  | -140.015793 ± 0.03 | <b>✓</b> |
| CDD_MtrCurrQax_Amp_G_f32[1] | -103.749756  | -103.74971 ± 0.03  | <b>✓</b> |

| Test Step 2.62 (Repeat Count = 1)                             |                           |                                                        |      |
|---------------------------------------------------------------|---------------------------|--------------------------------------------------------|------|
| Name                                                          | Input Value               |                                                        |      |
| Adc2_GetPhsBCurr_Cnt_u16_m                                    | 1430                      |                                                        |      |
| Adc2_GetPhsCCurr_Cnt_u16_m                                    | 203                       |                                                        |      |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                                 | 19968                     |                                                        |      |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16                          | 0                         |                                                        |      |
| CDD_CDDDataAccessBfr_Cnt_G_u16                                | 1                         |                                                        |      |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                               | 0.0649999976              |                                                        |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                               | 0.0165619999              |                                                        |      |
| CDD_DCPhsBComp_Cnt_G_u16p0                                    | 0                         |                                                        |      |
| CDD_DCPhsCComp_Cnt_G_u16p0                                    | 800                       |                                                        |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                               | -44.625                   |                                                        |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                               | 91.625                    |                                                        |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                          | -0.0209999997             |                                                        |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                          | -0.0040000019             |                                                        |      |
| CDD_MtrCurr1_Volts_G_f32[0]                                   | 1.01605237                |                                                        |      |
| CDD_MtrCurr1_Volts_G_f32[1]                                   | 2.01605248                |                                                        |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                          | -0.0209999997             |                                                        |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]                          | -0.0040000019             |                                                        |      |
| CDD_MtrCurr2_Volts_G_f32[0]                                   | 1.01605237                |                                                        |      |
| CDD_MtrCurr2_Volts_G_f32[1]                                   | 2.01605248                |                                                        |      |
| CDD_MtrCurrDax_Amp_G_f32[0]                                   | -120.016052               |                                                        |      |
| CDD_MtrCurrDax_Amp_G_f32[1]                                   | 25.0160522                |                                                        |      |
| CDD_MtrCurrK1_Amps_G_f32[0]                                   | 7.01605225                |                                                        |      |
| CDD_MtrCurrK1_Amps_G_f32[1]                                   | 28.0160522                |                                                        |      |
| CDD_MtrCurrK2_Amps_G_f32[0]                                   | -120.016052               |                                                        |      |
| CDD_MtrCurrK2_Amps_G_f32[1]                                   | 25.0160522                |                                                        |      |
| CDD_MtrCurrQax_Amp_G_f32[0]                                   | -160.016052               |                                                        |      |
| CDD_MtrCurrQax_Amp_G_f32[1]                                   | 120.016052                |                                                        |      |
| CDD_MtrElecPol_Cnt_G_s8                                       | -1                        |                                                        |      |
| CDD_Vecu_Volt_G_f32[0]                                        | 15.8500004                |                                                        |      |
| CDD_Vecu_Volt_G_f32[1]                                        | 30.7299995                |                                                        |      |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32                 | 1.89999992e-005           |                                                        |      |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32                 | 1.6e-005                  |                                                        |      |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16                            | 17433                     |                                                        |      |
| Rte_Inst_Sa_CmMtrCurr                                         | tgt_Rte_Inst_Sa_CmMtrCurr |                                                        |      |
| k_MtrCurrOffLoComOff_Cnt_u16                                  | 930                       |                                                        |      |
| k_MtrPosComputDelay_Sec_f32                                   | 6.9000015e-005            |                                                        |      |
| k NoofPoles Uls f32                                           | 3.98144245                |                                                        |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32               | 1.8999998                 |                                                        |      |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32               | 113.625                   |                                                        |      |
| tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32               | 105.625                   |                                                        |      |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32               | 2.38700008                |                                                        |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                       | tgt_Pim_ShCurrCal         |                                                        |      |
| Name                                                          | Actual Value              | Expected Value                                         | Resi |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                               | 0.0649999976              | 0.0649999976 ± 0.0000152587890625                      | Nest |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                               | 0.0049999976              | 0.348358154 ± 0.0000152587890625                       |      |
| CDD_COMMUPOSEIEC_REV_G_ISZ[1]  CDD ElecPosDelayComp Rad G f32 | -0.00612967974            |                                                        |      |
|                                                               | 1.01605237                | -0.00612967974 ± 0.0000152587890625<br>1.01605237 ± 32 |      |
| CDD_MtrCurr1_Volts_G_f32[0]                                   |                           |                                                        |      |
| CDD_MtrCurr1_Volts_G_f32[1]                                   | 1.65079367                | 1.65079367 ± 32                                        |      |
| CDD_MtrCurr2_Volts_G_f32[0]                                   | 1.01605237                | 1.01605237 ± 32                                        |      |
| CDD_MtrCurr2_Volts_G_f32[1]                                   | 0.152625158               | 0.152625158 ± 32                                       |      |
| CDD_MtrCurrDay_Amp_G_f32[0]                                   | -120.016052               | -120.016052 ± 0.03                                     |      |
| CDD_MtrCurrDax_Amp_G_f32[1]                                   | -45.2904587               | -45.2904549 ± 0.03                                     |      |
| CDD_MtrCurrK1_Amps_G_f32[0]                                   | 7.01605225                | 7.01605225 ± 32                                        |      |
| CDD_MtrCurrK1_Amps_G_f32[1]                                   | 230.357864                | 230.357834 ± 32                                        |      |
| CDD_MtrCurrK2_Amps_G_f32[0]                                   | -120.016052               | -120.016052 ± 32                                       |      |
| CDD_MtrCurrK2_Amps_G_f32[1]                                   | 108.192352                | 108.192329 ± 32                                        |      |
| CDD_MtrCurrQax_Amp_G_f32[0]                                   | -160.016052               | -160.016052 ± 0.03                                     |      |
| CDD_MtrCurrQax_Amp_G_f32[1]                                   | 220                       | 220 ± 0.03                                             |      |
|                                                               |                           | ·                                                      | _    |



| Test Step 2.63 (Repeat Count = 1)                                    |                           |                                   | ✓        |
|----------------------------------------------------------------------|---------------------------|-----------------------------------|----------|
| Name                                                                 | Input Value               |                                   |          |
| Adc2_GetPhsBCurr_Cnt_u16_m                                           | 1441                      |                                   |          |
| Adc2_GetPhsCCurr_Cnt_u16_m                                           | 1441                      |                                   |          |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                                        | 20736                     |                                   |          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16                                 | 1                         |                                   |          |
| CDD_CDDDataAccessBfr_Cnt_G_u16                                       | 0                         |                                   |          |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                                      | 0.0659999996              |                                   |          |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                                      | 0.0168168005              |                                   |          |
| CDD_DCPhsBComp_Cnt_G_u16p0                                           | 7150                      |                                   |          |
| CDD_DCPhsCComp_Cnt_G_u16p0                                           | 834                       |                                   |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                                      | -52.6500015               |                                   |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                                      | 85.6500015                |                                   |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                                 | -0.0199999996             |                                   |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                                 | -0.0209999997             |                                   |          |
| CDD_MtrCurr1_Volts_G_f32[0]                                          | 2.01630712                |                                   |          |
| CDD_MtrCurr1_Volts_G_f32[1]                                          | 1.01630723                |                                   |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                                 | -0.00200000009            |                                   |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]                                 | -0.0209999997             |                                   |          |
| CDD_MtrCurr2_Volts_G_f32[0]                                          | 2.01630712                |                                   |          |
| CDD_MtrCurr2_Volts_G_f32[1]                                          | 1.01630723                |                                   |          |
| CDD_MtrCurrDax_Amp_G_f32[0]                                          | -200.016312               |                                   |          |
| CDD_MtrCurrDax_Amp_G_f32[1]                                          | 198.016312                |                                   |          |
| CDD_MtrCurrK1_Amps_G_f32[0]                                          | 8.01630688                |                                   |          |
| CDD_MtrCurrK1_Amps_G_f32[1]                                          | 30.0163078                |                                   |          |
| CDD_MtrCurrK2_Amps_G_f32[0]                                          | -200.016312               |                                   |          |
| CDD_MtrCurrK2_Amps_G_f32[1]                                          | 198.016312                |                                   |          |
| CDD_MtrCurrQax_Amp_G_f32[0]                                          | -140.016312               |                                   |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                                          | 63.0163078                |                                   |          |
| CDD_MtrElecPol_Cnt_G_s8 CDD_Vecu_Volt_G_f32[0]                       |                           |                                   |          |
|                                                                      | 16.8600006<br>31          |                                   |          |
| CDD_Vecu_Volt_G_f32[1] CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32 | 1.99999995e-005           |                                   |          |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32                        | 1.70000003e-005           |                                   |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16                                   | 19268                     |                                   |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr |                                   |          |
| k_MtrCurrOffLoComOff_Cnt_u16                                         | 940                       |                                   |          |
| k_MtrPosComputDelay_Sec_f32                                          | 7.00000019e-005           |                                   |          |
| k_NoofPoles_Uls_f32                                                  | 3.30382323                |                                   |          |
| tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32                      | 2                         |                                   |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32                      | 114.650002                |                                   |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32                      | 107.650002                |                                   |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32                      | 2.38800001                |                                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                              | tgt_Pim_ShCurrCal         |                                   |          |
| Name                                                                 | Actual Value              | Expected Value                    | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                                      | 0.212249756               | 0.212249756 ± 0.0000152587890625  | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                                      | 0.0168168005              | 0.0168168005 ± 0.0000152587890625 | <b>✓</b> |
| CDD_ElecPosDelayComp_Rad_G_f32                                       | 0.00990403723             | 0.0099040363 ± 0.0000152587890625 | •        |
| CDD_MtrCurr1_Volts_G_f32[0]                                          | 1.66056168                | 1.66056168 ± 32                   | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[1]                                          | 1.01630723                | 1.01630723 ± 32                   | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[0]                                          | 1.66056168                | 1.66056168 ± 32                   | ~        |
| CDD_MtrCurr2_Volts_G_f32[1]                                          | 1.01630723                | 1.01630723 ± 32                   | ~        |
| CDD_MtrCurrDax_Amp_G_f32[0]                                          | -116.664909               | -116.664879 ± 0.03                | <b>~</b> |
| CDD_MtrCurrDax_Amp_G_f32[1]                                          | 198.016312                | 198.016312 ± 0.03                 | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]                                          | 457.325226                | 457.325165 ± 32                   | ~        |
| CDD_MtrCurrK1_Amps_G_f32[1]                                          | 30.0163078                | 30.0163078 ± 32                   | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                                          | -230.580276               | -230.580231 ± 32                  | <b>Y</b> |
| CDD_MtrCurrK2_Amps_G_f32[1]                                          | 198.016312                | 198.016312 ± 32                   | <b>V</b> |
| CDD_MtrCurrQax_Amp_G_f32[0]                                          | 220                       | 220 ± 0.03                        | ~        |
| CDD_MtrCurrQax_Amp_G_f32[1]                                          | 63.0163078                | 63.0163078 ± 0.03                 |          |

| Test Step 2.64 (Repeat Count = 1)    | <b>✓</b>     |
|--------------------------------------|--------------|
| Name                                 | Input Value  |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 1452         |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 218          |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 21504        |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 0            |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 1            |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.0670000017 |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.0170715991 |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 370          |

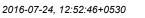


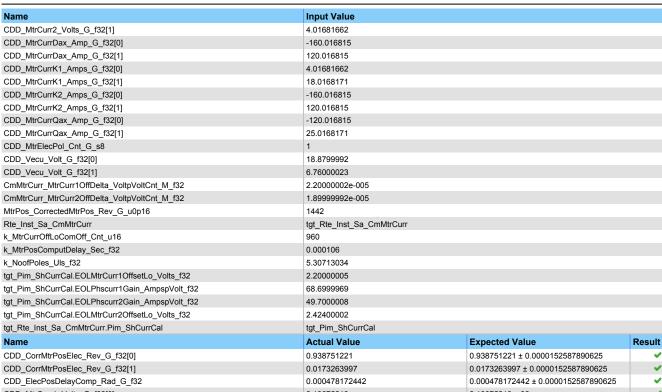


| Name                                            | Input Value               |                                     |        |
|-------------------------------------------------|---------------------------|-------------------------------------|--------|
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 868                       |                                     |        |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | -44.6749992               |                                     |        |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 92.6750031                |                                     |        |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | -0.0189999994             |                                     |        |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | -0.00200000009            |                                     |        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.01656199                |                                     |        |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.01656199                |                                     |        |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | -0.0189999994             |                                     |        |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | -0.00200000009            |                                     |        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.01656199                |                                     |        |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 2.01656199                |                                     |        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -180.016556               |                                     |        |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 125.016563                |                                     |        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 3.01656199                |                                     |        |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 9.01656246                |                                     |        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -180.016556               |                                     |        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 125.016563                |                                     |        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -120.016563               |                                     |        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 25.0165615                |                                     |        |
| CDD_MtrElecPol_Cnt_G_s8                         | -1                        |                                     |        |
| CDD_Vecu_Volt_G_f32[0]                          | 17.8700008                |                                     |        |
| CDD_Vecu_Volt_G_f32[1]                          | 5.75                      |                                     |        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 2.0999998e-005            |                                     |        |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 1.80000006e-005           |                                     |        |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 21103                     |                                     |        |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                     |        |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 950                       |                                     |        |
| k_MtrPosComputDelay_Sec_f32                     | 7.10000022e-005           |                                     |        |
| k_NoofPoles_Uls_f32                             | 4.80225563                |                                     |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.0999999                 |                                     |        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 115.675003                |                                     |        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 109.675003                |                                     |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.38899994                |                                     |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                     |        |
| Name                                            | Actual Value              | Expected Value                      | Result |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0670000017              | 0.0670000017 ± 0.0000152587890625   | _      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.404129028               | 0.404129028 ± 0.0000152587890625    | •      |
| CDD_ElecPosDelayComp_Rad_G_f32                  | -0.00761619769            | -0.00761619722 ± 0.0000152587890625 |        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.01656199                | 2.01656199 ± 32                     |        |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.67032969                | 1.67032969 ± 32                     |        |
| CDD MtrCurr2 Volts G f32[0]                     | 1.01656199                | 1.01656199 ± 32                     | •      |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.163614169               | 0.163614169 ± 32                    |        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -180.016556               | -180.016556 ± 0.03                  |        |
| CDD MtrCurrDax Amp G f32[1]                     | -160.653183               | -160.653244 ± 0.03                  |        |
| CDD MtrCurrK1 Amps G f32[0]                     | 3.01656199                | 3.01656199 ± 32                     |        |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 265.468781                | 265.468811 ± 32                     |        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -180.016556               | -180.016556 ± 32                    |        |
| CDD MtrCurrK2 Amps G f32[1]                     | 102.525459                | 102.525452 ± 32                     |        |
| CDD MtrCurrQax Amp G f32[0]                     | -120.016563               | -120.016563 ± 0.03                  |        |
| CDD MtrCurrQax Amp G f32[1]                     | 220                       | 220 ± 0.03                          |        |

| Test Step 2.65 (Repeat Count = 1)    |               | <b>✓</b> |
|--------------------------------------|---------------|----------|
| Name                                 | Input Value   |          |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 1837          |          |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 480           |          |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 22272         |          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 0             |          |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 0             |          |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.0680000037  |          |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.0173263997  |          |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 12            |          |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 0             |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | 1.70000005    |          |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | 15.6999998    |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] | -0.0219999999 |          |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1] | -0.0240000002 |          |
| CDD_MtrCurr1_Volts_G_f32[0]          | 2.01681685    |          |
| CDD_MtrCurr1_Volts_G_f32[1]          | 4.01681662    |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0] | -0.0219999999 |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1] | -0.0240000002 |          |
| CDD_MtrCurr2_Volts_G_f32[0]          | 2.01681685    |          |

CurrDQPer1





| 938751221                                                 | Expected Value<br>0.938751221 ± 0.0000152587890625                                                                         | Result                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                           | 0.938751221 + 0.0000152587890625                                                                                           | 1                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                           | 0.000.0.22. 2 0.0000.0200.000020                                                                                           | ~                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 0173263997                                                | 0.0173263997 ± 0.0000152587890625                                                                                          | ~                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 000478172442                                              | 0.000478172442 ± 0.0000152587890625                                                                                        | ~                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 13675213                                                  | 2.13675213 ± 32                                                                                                            | ~                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 01681662                                                  | 4.01681662 ± 32                                                                                                            | ~                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 179853511                                                 | 0.479853511 ± 32                                                                                                           | ~                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 01681662                                                  | 4.01681662 ± 32                                                                                                            | ~                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| .4801407                                                  | 72.4801331 ± 0.03                                                                                                          | •                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 0.016815                                                  | 120.016815 ± 0.03                                                                                                          | ~                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| .0692978                                                  | 54.0692902 ± 32                                                                                                            | •                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| .0168171                                                  | 18.0168171 ± 32                                                                                                            | ~                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 9.5764389                                                 | -59.5764427 ± 32                                                                                                           | ~                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 0.016815                                                  | 120.016815 ± 32                                                                                                            | ~                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| .9209137                                                  | 34.9209175 ± 0.03                                                                                                          | ~                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| .0168171                                                  | 25.0168171 ± 0.03                                                                                                          | ~                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 00<br>13<br>01<br>47<br>01<br>.4<br>0.<br>.0<br>9.5<br>0. | 0478172442<br>675213<br>681662<br>9853511<br>681662<br>801407<br>016815<br>692978<br>168171<br>5764389<br>016815<br>209137 | 0478172442     0.000478172442 ± 0.0000152587890625       675213     2.13675213 ± 32       681662     4.01681662 ± 32       9853511     0.479853511 ± 32       681662     4.01681662 ± 32       801407     72.4801331 ± 0.03       016815     120.016815 ± 0.03       692978     54.0692902 ± 32       168171     18.0168171 ± 32       5764389     -59.5764427 ± 32       016815     120.016815 ± 32       209137     34.9209175 ± 0.03 |

| Test Step 2.66 (Repeat Count = 1)    | 🗸              |
|--------------------------------------|----------------|
| Name                                 | Input Value    |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 609            |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 446            |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 23040          |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 0              |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 0              |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.00300000003  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.0007644      |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 1              |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 7150           |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | 122.074997     |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | 143.074997     |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] | -0.0250000004  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1] | -0.0240000002  |
| CDD_MtrCurr1_Volts_G_f32[0]          | 2.00025487     |
| CDD_MtrCurr1_Volts_G_f32[1]          | 1.00025475     |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0] | -0.00999999978 |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1] | -0.00899999961 |
| CDD_MtrCurr2_Volts_G_f32[0]          | 2.00015473     |
| CDD_MtrCurr2_Volts_G_f32[1]          | 2.00025487     |
| CDD_MtrCurrDax_Amp_G_f32[0]          | -120.000252    |
| CDD_MtrCurrDax_Amp_G_f32[1]          | 25.0002556     |
| CDD_MtrCurrK1_Amps_G_f32[0]          | -200.000259    |
| CDD_MtrCurrK1_Amps_G_f32[1]          | 198.000259     |
| CDD_MtrCurrK2_Amps_G_f32[0]          | -120.000252    |
| CDD_MtrCurrK2_Amps_G_f32[1]          | 25.0002556     |
| CDD_MtrCurrQax_Amp_G_f32[0]          | -140.000259    |
| CDD_MtrCurrQax_Amp_G_f32[1]          | 63.0002556     |
| CDD_MtrElecPol_Cnt_G_s8              | 1              |

Razorcat





| Name                                            | Input Value               |                                    |          |
|-------------------------------------------------|---------------------------|------------------------------------|----------|
| CDD_Vecu_Volt_G_f32[0]                          | 7.23000002                |                                    |          |
| CDD_Vecu_Volt_G_f32[1]                          | 6.48999977                |                                    |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 0                         |                                    |          |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 5.50000004e-005           |                                    |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 5046                      |                                    |          |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |          |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 970                       |                                    |          |
| k_MtrPosComputDelay_Sec_f32                     | 2.49999994e-005           |                                    |          |
| k_NoofPoles_Uls_f32                             | 2.10435843                |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.70000005                |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 59.0750008                |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 73.0749969                |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.24000001                |                                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                    |          |
| Name                                            | Actual Value              | Expected Value                     | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.994171143               | 0.994171143 ± 0.0000152587890625   | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0007644                 | 0.0007644 ± 0.0000152587890625     | <b>✓</b> |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.00321111945             | 0.00321111921 ± 0.0000152587890625 | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 0.633699656               | 0.633699656 ± 32                   | ~        |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.00025475                | 1.00025475 ± 32                    | ~        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0.434676439               | 0.434676439 ± 32                   | ~        |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 2.00025487                | 2.00025487 ± 32                    | ~        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | 220                       | 220 ± 0.03                         | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 25.0002556                | 25.0002556 ± 0.03                  | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 223.62561                 | 223.62561 ± 32                     | ~        |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 198.000259                | 198.000259 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | 10.1348076                | 10.1348076 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 25.0002556                | 25.0002556 ± 32                    | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -18.3161964               | -18.3161964 ± 0.03                 | ~        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 63.0002556                | 63.0002556 ± 0.03                  | <b>✓</b> |

| Name                                           | Input Value               |  |
|------------------------------------------------|---------------------------|--|
| Adc2 GetPhsBCurr Cnt u16 m                     | 1859                      |  |
| Adc2 GetPhsCCurr Cnt u16 m                     | 495                       |  |
| CDD ADC2OffsetComp Cnt G u8p8                  | 23808                     |  |
| CDD AppDataFwdPthAccessBfr Cnt G u16           | 0                         |  |
| CDD CDDDataAccessBfr Cnt G u16                 | 0                         |  |
| CDD CorrMtrPosElec Rev G f32[0]                | 0.070000003               |  |
| DD CorrMtrPosElec Rev G f32[1]                 | 0.0680000037              |  |
| DD_DCPhsBComp_Cnt_G_u16p0                      | 4159                      |  |
| CDD_DCPhsCComp_Cnt_G_u16p0                     | 4654                      |  |
| DD MRFMtrVel MtrRadpS G f32[0]                 | 1.75                      |  |
| CDD MRFMtrVel MtrRadpS G f32[1]                | 16.75                     |  |
| DD_MtrCurr1TempOffset_Volt_G_f32[0]            | -0.0199999996             |  |
| DD_MtrCurr1TempOffset_Volt_G_f32[1]            | -0.0219999999             |  |
| DD MtrCurr1 Volts G f32[0]                     | 1.01732635                |  |
| DD_MtrCurr1_Volts_G_f32[1]                     | 2.01732635                |  |
| DD MtrCurr2TempOffset Volt G f32[0]            | -0.00200000009            |  |
| DD MtrCurr2TempOffset Volt G f32[1]            | -0.0219999999             |  |
| DD_MtrCurr2_Volts_G_f32[0]                     | 2.01732635                |  |
| DD_MtrCurr2_Volts_G_f32[1]                     | 1.01732635                |  |
| DD_MtrCurrDax_Amp_G_f32[0]                     | -140.017334               |  |
| DD_MtrCurrDax_Amp_G_f32[1]                     | 63.0173264                |  |
| DD_MtrCurrK1_Amps_G_f32[0]                     | 4.01732635                |  |
| DD_MtrCurrK1_Amps_G_f32[1]                     | 19.0173264                |  |
| DD_MtrCurrK2_Amps_G_f32[0]                     | -140.017334               |  |
| DD_MtrCurrK2_Amps_G_f32[1]                     | 63.0173264                |  |
| DD_MtrCurrQax_Amp_G_f32[0]                     | -120.017326               |  |
| DD_MtrCurrQax_Amp_G_f32[1]                     | 25.0173264                |  |
| DD_MtrElecPol_Cnt_G_s8                         | -1                        |  |
| DD_Vecu_Volt_G_f32[0]                          | 9.78999996                |  |
| DD_Vecu_Volt_G_f32[1]                          | 16.8600006                |  |
| mMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 2.40000008e-005           |  |
| mMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 2.0999998e-005            |  |
| trPos_CorrectedMtrPos_Rev_G_u0p16              | 1704                      |  |
| te_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |  |
| _MtrCurrOffLoComOff_Cnt_u16                    | 980                       |  |
| _MtrPosComputDelay_Sec_f32                     | 0.000108                  |  |
| NoofPoles_Uls_f32                              | 4.04976606                |  |
| gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.4000001                 |  |





| Name                                            | Input Value       |                                     |          |
|-------------------------------------------------|-------------------|-------------------------------------|----------|
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 72.75             |                                     |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 51.75             |                                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.42600012        |                                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal |                                     |          |
| Name                                            | Actual Value      | Expected Value                      | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.109390259       | 0.109390259 ± 0.0000152587890625    | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0680000037      | 0.0680000037 ± 0.0000152587890625   | <b>✓</b> |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.000382702885    | 0.000382702885 ± 0.0000152587890625 | ~        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.15628815        | 2.15628815 ± 32                     | ~        |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.01732635        | 2.01732635 ± 32                     | ~        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0.490842521       | 0.490842521 ± 32                    | ~        |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.01732635        | 1.01732635 ± 32                     | ~        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | 184.660309        | 184.660324 ± 0.03                   | ~        |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 63.0173264        | 63.0173264 ± 0.03                   | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 212.939148        | 212.939148 ± 32                     | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 19.0173264        | 19.0173264 ± 32                     | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | 31.6313877        | 31.6313877 ± 32                     | <b>~</b> |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 63.0173264        | 63.0173264 ± 32                     | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | 110.653481        | 110.653481 ± 0.03                   | ~        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 25.0173264        | 25.0173264 ± 0.03                   | ~        |

| Name                                                   | Input Value               |                                     |      |
|--------------------------------------------------------|---------------------------|-------------------------------------|------|
| Adc2 GetPhsBCurr Cnt u16 m                             | 1452                      |                                     |      |
| Adc2_GetPhsBCurr_Cnt_u16_m  Adc2_GetPhsCCurr_Cnt_u16_m | 218                       |                                     |      |
|                                                        |                           |                                     |      |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                          | 14592                     |                                     |      |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16                   | 0                         |                                     |      |
| CDD_CDDDataAccessBfr_Cnt_G_u16                         | 1                         |                                     |      |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                        | 0.057999983               |                                     |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                        | 0.0147783998              |                                     |      |
| CDD_DCPhsBComp_Cnt_G_u16p0                             | 840                       |                                     |      |
| CDD_DCPhsCComp_Cnt_G_u16p0                             | 766                       |                                     |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                        | -44.4500008               |                                     |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                        | 92.4499969                |                                     |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                   | -0.0099999978             |                                     |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                   | -0.0089999961             |                                     |      |
| CDD_MtrCurr1_Volts_G_f32[0]                            | 2.01426888                |                                     |      |
| CDD_MtrCurr1_Volts_G_f32[1]                            | 4.01426888                |                                     |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                   | 0.0049999989              |                                     |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]                   | 0.0060000005              |                                     |      |
| CDD_MtrCurr2_Volts_G_f32[0]                            | 1.01426876                |                                     |      |
| CDD_MtrCurr2_Volts_G_f32[1]                            | 4.01426888                |                                     |      |
| CDD_MtrCurrDax_Amp_G_f32[0]                            | -180.014267               |                                     |      |
| CDD_MtrCurrDax_Amp_G_f32[1]                            | 125.014267                |                                     |      |
| CDD_MtrCurrK1_Amps_G_f32[0]                            | 3.01426888                |                                     |      |
| CDD_MtrCurrK1_Amps_G_f32[1]                            | 9.01426888                |                                     |      |
| CDD_MtrCurrK2_Amps_G_f32[0]                            | -180.014267               |                                     |      |
| CDD_MtrCurrK2_Amps_G_f32[1]                            | 125.014267                |                                     |      |
| CDD_MtrCurrQax_Amp_G_f32[0]                            | -120.014267               |                                     |      |
| CDD_MtrCurrQax_Amp_G_f32[1]                            | 25.0142689                |                                     |      |
| CDD_MtrElecPol_Cnt_G_s8                                | 1                         |                                     |      |
| CDD Vecu Volt G f32[0]                                 | 8.77999973                |                                     |      |
| CDD Vecu Volt G f32[1]                                 | 15.8500004                |                                     |      |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32          | 6.3999998e-005            |                                     |      |
| CmMtrCurr MtrCurr2OffDelta VoltpVoltCnt M f32          | 8.4999997e-005            |                                     |      |
| MtrPos CorrectedMtrPos Rev G u0p16                     | 21103                     |                                     |      |
| Rte_Inst_Sa_CmMtrCurr                                  | tgt_Rte_Inst_Sa_CmMtrCurr |                                     |      |
| k_MtrCurrOffLoComOff_Cnt_u16                           | 500                       |                                     |      |
| k_MtrPosComputDelay_Sec_f32                            | 7.10000022e-005           |                                     |      |
| k NoofPoles Uls f32                                    | 3.28270912                |                                     |      |
|                                                        |                           |                                     |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32        | 2.099999                  |                                     |      |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32        | 115.449997                |                                     |      |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32        | 109.449997                |                                     |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32        | 2.38899994                |                                     |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                | tgt_Pim_ShCurrCal         |                                     |      |
| Name                                                   | Actual Value              | Expected Value                      | Resi |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                        | 0.0579999983              | 0.0579999983 ± 0.0000152587890625   |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                        | 0.237854004               | 0.237854004 ± 0.0000152587890625    |      |
| CDD_ElecPosDelayComp_Rad_G_f32                         | -0.00518003339            | -0.00518003339 ± 0.0000152587890625 |      |
| CDD_MtrCurr1_Volts_G_f32[0]                            | 2.01426888                | 2.01426888 ± 32                     |      |
| CDD_MtrCurr1_Volts_G_f32[1]                            | 1.70329678                | 1.70329678 ± 32                     |      |

2016-07-24, 12:52:46+0530





| Name                        | Actual Value | Expected Value     | Result   |
|-----------------------------|--------------|--------------------|----------|
| CDD_MtrCurr2_Volts_G_f32[0] | 1.01426876   | 1.01426876 ± 32    | ✓        |
| CDD_MtrCurr2_Volts_G_f32[1] | 0.1965812    | 0.1965812 ± 32     | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[0] | -180.014267  | -180.014267 ± 0.03 | ✓        |
| CDD_MtrCurrDax_Amp_G_f32[1] | -93.6322327  | -93.6322327 ± 0.03 | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[0] | 3.01426888   | 3.01426888 ± 32    | ✓        |
| CDD_MtrCurrK1_Amps_G_f32[1] | 330.180817   | 330.180817 ± 32    | ✓        |
| CDD_MtrCurrK2_Amps_G_f32[0] | -180.014267  | -180.014267 ± 32   | ✓        |
| CDD_MtrCurrK2_Amps_G_f32[1] | -119.152496  | -119.152496 ± 32   | ✓        |
| CDD_MtrCurrQax_Amp_G_f32[0] | -120.014267  | -120.014267 ± 0.03 | ✓        |
| CDD_MtrCurrQax_Amp_G_f32[1] | 220          | 220 ± 0.03         | <b>✓</b> |

| Test Step 2.69 (Repeat Count = 1)               |                           |                                     |      |
|-------------------------------------------------|---------------------------|-------------------------------------|------|
| Name                                            | Input Value               |                                     |      |
| Adc2_GetPhsBCurr_Cnt_u16_m                      | 1837                      |                                     |      |
| Adc2_GetPhsCCurr_Cnt_u16_m                      | 480                       |                                     |      |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                   | 15360                     |                                     |      |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16            | 0                         |                                     |      |
| CDD_CDDDataAccessBfr_Cnt_G_u16                  | 0                         |                                     |      |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.059000004               |                                     |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0150332004              |                                     |      |
| CDD_DCPhsBComp_Cnt_G_u16p0                      | 3961                      |                                     |      |
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 4434                      |                                     |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | 1.47500002                |                                     |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 15.4750004                |                                     |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | -0.0189999994             |                                     |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | -0.0179999992             |                                     |      |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.01452351                |                                     |      |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.01452363                |                                     |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | -0.0189999994             |                                     |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | -0.0179999992             |                                     |      |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 2.01452351                |                                     |      |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.01452363                |                                     |      |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -160.014526               |                                     |      |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 120.014526                |                                     |      |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 4.01452351                |                                     |      |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 18.0145245                |                                     |      |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -160.014526               |                                     |      |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 120.014526                |                                     |      |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -120.014526               |                                     |      |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 25.0145245                |                                     |      |
| CDD_MtrElecPol_Cnt_G_s8                         | -1                        |                                     |      |
| CDD_Vecu_Volt_G_f32[0]                          | 9.78999996                |                                     |      |
| CDD_Vecu_Volt_G_f32[1]                          | 16.8600006                |                                     |      |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 6.50000002e-005           |                                     |      |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 6.19999992e-005           |                                     |      |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 1442                      |                                     |      |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                     |      |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 1500                      |                                     |      |
| k_MtrPosComputDelay_Sec_f32                     | 0.000106                  |                                     |      |
| k_NoofPoles_Uls_f32                             | 2.15225244                |                                     |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.2000005                 |                                     |      |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 68.4749985                |                                     |      |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 49.4749985                |                                     |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.42400002                |                                     |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                     |      |
| Name                                            | Actual Value              | Expected Value                      | Resu |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.105361938               | 0.105361938 ± 0.0000152587890625    |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0150332004              | 0.0150332004 ± 0.0000152587890625   |      |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.000168252343            | 0.000168252329 ± 0.0000152587890625 |      |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.16971922                | 2.16971922 ± 32                     |      |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.01452363                | 1.01452363 ± 32                     |      |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0.512820542               | 0.512820542 ± 32                    |      |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.01452363                | 1.01452363 ± 32                     | •    |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | 220                       | 220 ± 0.03                          |      |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 120.014526                | 120.014526 ± 0.03                   |      |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 296.138977                | 296.138977 ± 32                     |      |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 18.0145245                | 18.0145245 ± 32                     |      |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | 22.4597664                | 22.4597664 ± 32                     |      |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 120.014526                | 120.014526 ± 32                     | ٠,   |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | 164.321991                | 164.321991 ± 0.03                   |      |
|                                                 |                           |                                     |      |

25.0145245

CDD\_MtrCurrQax\_Amp\_G\_f32[1]

25.0145245 ± 0.03



| Test Step 2.70 (Repeat Count = 1)                       |                           |                                    | ~      |
|---------------------------------------------------------|---------------------------|------------------------------------|--------|
| Name                                                    | Input Value               |                                    |        |
| Adc2_GetPhsBCurr_Cnt_u16_m                              | 1848                      |                                    |        |
| Adc2_GetPhsCCurr_Cnt_u16_m                              | 488                       |                                    |        |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                           | 16128                     |                                    |        |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16                    | 1                         |                                    |        |
| CDD_CDDDataAccessBfr_Cnt_G_u16                          | 1                         |                                    |        |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                         | 0.059999987               |                                    |        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                         | 0.015288                  |                                    |        |
| CDD_DCPhsBComp_Cnt_G_u16p0                              | 4060                      |                                    |        |
| CDD_DCPhsCComp_Cnt_G_u16p0                              | 4544                      |                                    |        |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                         | 2.5                       |                                    |        |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                         | 18.5                      |                                    |        |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                    | -0.0219999999             |                                    |        |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                    | -0.0219999999             |                                    |        |
| CDD_MtrCurr1_Volts_G_f32[0]                             | 2.01477838                |                                    |        |
| CDD_MtrCurr1_Volts_G_f32[1]                             | 1.01477838                |                                    |        |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                    | -0.0219999999             |                                    |        |
| CDD_MtrCurr2 Yelto C (33[0]                             | -0.0219999999             |                                    |        |
| CDD_MtrCurr2_Volts_G_f32[0]                             | 1.01477838<br>2.01477838  |                                    |        |
| CDD_MtrCurr2_Volts_G_f32[1]                             |                           |                                    |        |
| CDD_MtrCurrDax_Amp_G_f32[0] CDD_MtrCurrDax_Amp_G_f32[1] | -140.014786<br>63.0147781 |                                    |        |
| CDD_MtrCurrK1_Amps_G_f32[0]                             | 3.01477838                |                                    |        |
| CDD_MtrCurrK1_Amps_G_f32[1]                             | 10.0147781                |                                    |        |
| CDD_MtrCurrK2_Amps_G_f32[0]                             | -140.014786               |                                    |        |
| CDD_MtrCurrK2_Amps_G_f32[1]                             | 63.0147781                |                                    |        |
| CDD MtrCurrQax Amp G f32[0]                             | -140.014786               |                                    |        |
| CDD_MtrCurrQax_Amp_G_f32[1]                             | 63.0147781                |                                    |        |
| CDD_MtrElecPol_Cnt_G_s8                                 | 1                         |                                    |        |
| CDD_Vecu_Volt_G_f32[0]                                  | 10.8000002                |                                    |        |
| CDD_Vecu_Volt_G_f32[1]                                  | 17.8700008                |                                    |        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32           | 6.6000005e-005            |                                    |        |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32           | 6.2999995e-005            |                                    |        |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16                      | 1573                      |                                    |        |
| Rte_Inst_Sa_CmMtrCurr                                   | tgt Rte Inst Sa CmMtrCurr |                                    |        |
| k_MtrCurrOffLoComOff_Cnt_u16                            | 658                       |                                    |        |
| k_MtrPosComputDelay_Sec_f32                             | 0.000107                  |                                    |        |
| k NoofPoles Uls f32                                     | 3.97869086                |                                    |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32         | 2.29999995                |                                    |        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32         | 70.5                      |                                    |        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32         | 50.5                      |                                    |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32         | 2.42499995                |                                    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                 | tgt_Pim_ShCurrCal         |                                    |        |
| Name                                                    | Actual Value              | Expected Value                     | Result |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                         | 0.0599999987              | 0.0599999987 ± 0.0000152587890625  | •      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                         | 0.941299438               | 0.941299438 ± 0.0000152587890625   | •      |
| CDD_ElecPosDelayComp_Rad_G_f32                          | 0.00393790938             | 0.00393790938 ± 0.0000152587890625 | •      |
| CDD_MtrCurr1_Volts_G_f32[0]                             | 2.01477838                | 2.01477838 ± 32                    | •      |
| CDD_MtrCurr1_Volts_G_f32[1]                             | 2.17948723                | 2.17948723 ± 32                    | -      |
| CDD_MtrCurr2_Volts_G_f32[0]                             | 1.01477838                | 1.01477838 ± 32                    | •      |
| CDD_MtrCurr2_Volts_G_f32[1]                             | 0.518925548               | 0.518925548 ± 32                   | •      |
| CDD_MtrCurrDax_Amp_G_f32[0]                             | -140.014786               | -140.014786 ± 0.03                 |        |
| CDD_MtrCurrDax_Amp_G_f32[1]                             | 220                       | 220 ± 0.03                         | •      |
| CDD_MtrCurrK1_Amps_G_f32[0]                             | 3.01477838                | 3.01477838 ± 32                    | •      |
| CDD_MtrCurrK1_Amps_G_f32[1]                             | 618.623657                | 618.623657 ± 32                    | •      |
| CDD_MtrCurrK2_Amps_G_f32[0]                             | -140.014786               | -140.014786 ± 32                   |        |
| CDD_MtrCurrK2_Amps_G_f32[1]                             | 23.9609241                | 23.9609413 ± 32                    | •      |
| CDD_MtrCurrQax_Amp_G_f32[0]                             | -140.014786               | -140.014786 ± 0.03                 | •      |
| CDD_MtrCurrQax_Amp_G_f32[1]                             | -220                      | -220 ± 0.03                        |        |

| Test Step 2.71 (Repeat Count = 1)    |             |
|--------------------------------------|-------------|
| Name                                 | Input Value |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 1287        |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 105         |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 0           |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 0           |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 0           |





| Name                                            | Input Value               |                                     |          |  |
|-------------------------------------------------|---------------------------|-------------------------------------|----------|--|
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0430000015              |                                     |          |  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0109564001              | 0.0109564001                        |          |  |
| CDD_DCPhsBComp_Cnt_G_u16p0                      | 2575                      |                                     |          |  |
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 2894                      |                                     |          |  |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | -52.0750008               |                                     |          |  |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 78.0749969                |                                     |          |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | 0.0149999997              |                                     |          |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | 0.0160000008              |                                     |          |  |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 0.0104467999              |                                     |          |  |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.01044679                |                                     |          |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | 0.0099999978              |                                     |          |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | 0.0109999999              |                                     |          |  |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0.0104467999              |                                     |          |  |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.01044679                |                                     |          |  |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -180.010452               |                                     |          |  |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 125.010445                |                                     |          |  |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 4.01044703                |                                     |          |  |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 6.01044703                |                                     |          |  |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -180.010452               |                                     |          |  |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 125.010445                |                                     |          |  |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -120.010445               |                                     |          |  |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 25.0104465                |                                     |          |  |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                     |          |  |
| CDD_Vecu_Volt_G_f32[0]                          | 20.6299992                |                                     |          |  |
| CDD_Vecu_Volt_G_f32[1]                          | 19.3500004                |                                     |          |  |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 4.40000003e-005           |                                     |          |  |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 2.40000008e-005           |                                     |          |  |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 11076                     |                                     |          |  |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                     |          |  |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 710                       |                                     |          |  |
| k_MtrPosComputDelay_Sec_f32                     | 5.60000008e-005           |                                     |          |  |
| k_NoofPoles_Uls_f32                             | 2.43344188                |                                     |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.70000005                |                                     |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 100.074997                |                                     |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 79.0749969                |                                     |          |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.37400007                |                                     |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                     |          |  |
| Name                                            | Actual Value              | Expected Value                      | Result   |  |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0851135254              | 0.0851135254 ± 0.0000152587890625   | -        |  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0109564001              | 0.0109564001 ± 0.0000152587890625   | <b>✓</b> |  |
| CDD_ElecPosDelayComp_Rad_G_f32                  | -0.00354820164            | -0.00354820164 ± 0.0000152587890625 | •        |  |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.57142866                | 1.57142866 ± 32                     | <b>✓</b> |  |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.01044679                | 2.01044679 ± 32                     | <b>✓</b> |  |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0.128205135               | 0.128205135 ± 32                    | <b>✓</b> |  |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.01044679                | 1.01044679 ± 32                     | •        |  |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | 220                       | 220 ± 0.03                          | ~        |  |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 125.010445                | 125.010445 ± 0.03                   | ~        |  |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 564.2323                  | 564.232361 ± 32                     | ~        |  |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 6.01044703                | 6.01044703 ± 32                     | ~        |  |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | 35.4740334                | 35.4740677 ± 32                     | •        |  |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 125.010445                | 125.010445 ± 32                     | •        |  |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | 220                       | 220 ± 0.03                          | ~        |  |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 25.0104465                | 25.0104465 ± 0.03                   | <b>✓</b> |  |
|                                                 |                           |                                     |          |  |

| Test Step 2.72 (Repeat Count = 1)    | 🗸            |
|--------------------------------------|--------------|
| Name                                 | Input Value  |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 1298         |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 664          |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 65280        |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 1            |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 1            |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.043999998  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.0112111997 |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 2674         |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 3004         |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | -44.0999985  |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | 85.0999985   |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] | 0.0160000008 |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1] | 0.0170000009 |
| CDD_MtrCurr1_Volts_G_f32[0]          | 1.01070166   |
| CDD_MtrCurr1_Volts_G_f32[1]          | 4.01070166   |





| Name                                            | Input Value               |                                    |          |
|-------------------------------------------------|---------------------------|------------------------------------|----------|
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | -0.00499999989            |                                    |          |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | -0.0040000019             |                                    |          |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.01070166                |                                    |          |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 4.01070166                |                                    |          |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -160.010696               |                                    |          |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 120.010704                |                                    |          |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 1.01070166                |                                    |          |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 3.01070166                |                                    |          |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -160.010696               |                                    |          |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 120.010704                |                                    |          |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -200.010696               |                                    |          |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 198.010696                |                                    |          |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                         |                                    |          |
| CDD_Vecu_Volt_G_f32[0]                          | 21.6399994                |                                    |          |
| CDD_Vecu_Volt_G_f32[1]                          | 20.3600006                |                                    |          |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 4.50000007e-005           |                                    |          |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 3.30000003e-005           |                                    |          |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 11207                     |                                    |          |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                    |          |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 720                       |                                    |          |
| k_MtrPosComputDelay_Sec_f32                     | 5.70000011e-005           |                                    |          |
| k_NoofPoles_Uls_f32                             | 3.25500011                |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.79999995                |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 101.099998                |                                    |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 81.0999985                |                                    |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.375                     |                                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                    |          |
| Name                                            | Actual Value              | Expected Value                     | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.043999998               | 0.0439999998 ± 0.0000152587890625  | •        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0889282227              | 0.0889282227 ± 0.0000152587890625  | <b>✓</b> |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.00789451506             | 0.00789451413 ± 0.0000152587890625 | •        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.01070166                | 1.01070166 ± 32                    | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.27350438                | 1.27350438 ± 32                    | •        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.01070166                | 1.01070166 ± 32                    | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.499389529               | 0.499389529 ± 32                   | -        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -160.010696               | -160.010696 ± 0.03                 | ~        |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 220                       | 220 ± 0.03                         | •        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 1.01070166                | 1.01070166 ± 32                    | ~        |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 625.869385                | 625.869385 ± 32                    | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -160.010696               | -160.010696 ± 32                   | ~        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 63.1328773                | 63.1328239 ± 32                    | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -200.010696               | -200.010696 ± 0.03                 | <b>✓</b> |
|                                                 |                           |                                    |          |

| Test Step 2.73 (Repeat Count = 1)    |              |
|--------------------------------------|--------------|
| Name                                 | Input Value  |
| Adc2_GetPhsBCurr_Cnt_u16_m           | 1309         |
| Adc2_GetPhsCCurr_Cnt_u16_m           | 325          |
| CDD_ADC2OffsetComp_Cnt_G_u8p8        | 8960         |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 | 0            |
| CDD_CDDDataAccessBfr_Cnt_G_u16       | 0            |
| CDD_CorrMtrPosElec_Rev_G_f32[0]      | 0.0450000018 |
| CDD_CorrMtrPosElec_Rev_G_f32[1]      | 0.0114660002 |
| CDD_DCPhsBComp_Cnt_G_u16p0           | 2773         |
| CDD_DCPhsCComp_Cnt_G_u16p0           | 3114         |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]      | -52.125      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]      | 79.125       |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0] | 0.0170000009 |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1] | 0.0179999992 |
| CDD_MtrCurr1_Volts_G_f32[0]          | 2.01095629   |
| CDD_MtrCurr1_Volts_G_f32[1]          | 1.01095641   |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0] | 0.0170000009 |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1] | 0.0179999992 |
| CDD_MtrCurr2_Volts_G_f32[0]          | 1.01095641   |
| CDD_MtrCurr2_Volts_G_f32[1]          | 2.01095629   |
| CDD_MtrCurrDax_Amp_G_f32[0]          | -140.010956  |
| CDD_MtrCurrDax_Amp_G_f32[1]          | 63.0109558   |
| CDD_MtrCurrK1_Amps_G_f32[0]          | 2.01095629   |
| CDD_MtrCurrK1_Amps_G_f32[1]          | 5.01095629   |
| CDD_MtrCurrK2_Amps_G_f32[0]          | -140.010956  |
| CDD_MtrCurrK2_Amps_G_f32[1]          | 63.0109558   |

CurrDQPer1

2016-07-24, 12:52:46+0530



Input Value CDD\_MtrCurrQax\_Amp\_G\_f32[0] -180.010956 CDD\_MtrCurrQax\_Amp\_G\_f32[1] 125.010956 CDD\_MtrElecPol\_Cnt\_G\_s8 -1 CDD\_Vecu\_Volt\_G\_f32[0] 22.6499996 CDD\_Vecu\_Volt\_G\_f32[1] 21.3700008  $CmMtrCurr\_MtrCurr1OffDelta\_VoltpVoltCnt\_M\_f32$ 4.6000001e-005 CmMtrCurr\_MtrCurr2OffDelta\_VoltpVoltCnt\_M\_f32 3.40000006e-005  $MtrPos\_CorrectedMtrPos\_Rev\_G\_u0p16$ 11338 Rte\_Inst\_Sa\_CmMtrCurr tgt\_Rte\_Inst\_Sa\_CmMtrCurr  $k\_MtrCurrOffLoComOff\_Cnt\_u16$ 730 k\_MtrPosComputDelay\_Sec\_f32 5.80000014e-005 k\_NoofPoles\_Uls\_f32 4 25 tgt\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32 2.9000001 tgt Pim ShCurrCal.EOLPhscurr1Gain AmpspVolt f32 102 125 tgt\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32 83.125 tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32 2.37599993  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_ShCurrCal$ tgt\_Pim\_ShCurrCal **Actual Value Expected Value** Result Name CDD\_CorrMtrPosElec\_Rev\_G\_f32[0] 0.255310059 0.255310059 ± 0.0000152587890625  $CDD\_CorrMtrPosElec\_Rev\_G\_f32[1]$ 0.0114660002  $0.0114660002 \pm 0.0000152587890625$ CDD\_ElecPosDelayComp\_Rad\_G\_f32 -0.00642440654 -0.00642440654 ± 0.0000152587890625 CDD\_MtrCurr1\_Volts\_G\_f32[0] 1.5555558 1.55555558 ± 32 CDD\_MtrCurr1\_Volts\_G\_f32[1] 1.01095641 ± 32 1.01095641 0.354090363 ± 32 CDD\_MtrCurr2\_Volts\_G\_f32[0] 0.354090363 CDD\_MtrCurr2\_Volts\_G\_f32[1] 2.01095629 2.01095629 ± 32 CDD\_MtrCurrDax\_Amp\_G\_f32[0] -76.4558411 -76.4558182 ± 0.03 CDD\_MtrCurrDax\_Amp\_G\_f32[1] 63.0109558 63.0109558 ± 0.03 CDD\_MtrCurrK1\_Amps\_G\_f32[0] 692.970825 692.970886 ± 32 CDD\_MtrCurrK1\_Amps\_G\_f32[1] 5.01095629 5.01095629 ± 32 CDD\_MtrCurrK2\_Amps\_G\_f32[0] -53.3694801 -53.3694611 ± 32 CDD\_MtrCurrK2\_Amps\_G\_f32[1] 63.0109558 63.0109558 ± 32 CDD\_MtrCurrQax\_Amp\_G\_f32[0] 220 220 ± 0.03 CDD\_MtrCurrQax\_Amp\_G\_f32[1] 125.010956 125.010956 ± 0.03

| Name                                                                  | Input Value               |  |
|-----------------------------------------------------------------------|---------------------------|--|
| Adc2 GetPhsBCurr Cnt u16 m                                            | 1287                      |  |
| Adc2 GetPhsCCurr Cnt u16 m                                            | 105                       |  |
| CDD ADC2OffsetComp Cnt G u8p8                                         | 0                         |  |
| CDD_ADC2Olise(Collip_Cht_G_usps  CDD AppDataFwdPthAccessBfr Cnt G u16 | 0                         |  |
| CDD CDDDataAccessBfr Cnt G u16                                        | 0                         |  |
| CDD_CDDDataAccessBil_Cfil_G_t16  CDD CorrMtrPosElec Rev G f32[0]      | 0.0430000015              |  |
| CDD_CommtrPosElec_Rev_G_132[0]  CDD CorrMtrPosElec Rev G f32[1]       | 0.0109564001              |  |
| CDD_CONMITPOSEIEC_Rev_G_132[1]  CDD_DCPhsBComp_Cnt_G_u16p0            | 2575                      |  |
| CDD DCPhsCComp Cnt G u16p0                                            | 2894                      |  |
| CDD MRFMtrVel MtrRadpS G f32[0]                                       | -52.0750008               |  |
|                                                                       | 78.0749969                |  |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                                       |                           |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                                  | 0.0149999997              |  |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                                  | 0.016000008               |  |
| CDD_MtrCurr1_Volts_G_f32[0]                                           | 0.0104467999              |  |
| CDD_MtrCurr1_Volts_G_f32[1]                                           | 2.01044679                |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                                  | 0.0099999978              |  |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]                                  | 0.010999999               |  |
| CDD_MtrCurr2_Volts_G_f32[0]                                           | 0.0104467999              |  |
| CDD_MtrCurr2_Volts_G_f32[1]                                           | 1.01044679                |  |
| CDD_MtrCurrDax_Amp_G_f32[0]                                           | -180.010452               |  |
| CDD_MtrCurrDax_Amp_G_f32[1]                                           | 125.010445                |  |
| CDD_MtrCurrK1_Amps_G_f32[0]                                           | 4.01044703                |  |
| CDD_MtrCurrK1_Amps_G_f32[1]                                           | 6.01044703                |  |
| CDD_MtrCurrK2_Amps_G_f32[0]                                           | -180.010452               |  |
| CDD_MtrCurrK2_Amps_G_f32[1]                                           | 125.010445                |  |
| CDD_MtrCurrQax_Amp_G_f32[0]                                           | -120.010445               |  |
| CDD_MtrCurrQax_Amp_G_f32[1]                                           | 25.0104465                |  |
| CDD_MtrElecPol_Cnt_G_s8                                               | 1                         |  |
| CDD_Vecu_Volt_G_f32[0]                                                | 20.6299992                |  |
| CDD_Vecu_Volt_G_f32[1]                                                | 19.3500004                |  |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32                         | 4.40000003e-005           |  |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32                         | 2.40000008e-005           |  |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16                                    | 11076                     |  |
| Rte_Inst_Sa_CmMtrCurr                                                 | tgt_Rte_Inst_Sa_CmMtrCurr |  |
| k_MtrCurrOffLoComOff_Cnt_u16                                          | 710                       |  |





| Name                                            | Input Value       |                                     |          |
|-------------------------------------------------|-------------------|-------------------------------------|----------|
| k_MtrPosComputDelay_Sec_f32                     | 5.60000008e-005   |                                     |          |
| k_NoofPoles_Uls_f32                             | 2                 |                                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.70000005        |                                     |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 100.074997        |                                     |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 79.0749969        |                                     |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.37400007        |                                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal |                                     |          |
| Name                                            | Actual Value      | Expected Value                      | Result   |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0852203369      | 0.0852203369 ± 0.0000152587890625   | ~        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.0109564001      | 0.0109564001 ± 0.0000152587890625   | •        |
| CDD_ElecPosDelayComp_Rad_G_f32                  | -0.00291620009    | -0.00291620009 ± 0.0000152587890625 | •        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 1.57142866        | 1.57142866 ± 32                     | •        |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.01044679        | 2.01044679 ± 32                     | ~        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0.128205135       | 0.128205135 ± 32                    | •        |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.01044679        | 1.01044679 ± 32                     | ~        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | 220               | 220 ± 0.03                          | •        |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 125.010445        | 125.010445 ± 0.03                   | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 564.2323          | 564.232361 ± 32                     | •        |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 6.01044703        | 6.01044703 ± 32                     | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | 35.4740334        | 35.4740677 ± 32                     | <b>✓</b> |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 125.010445        | 125.010445 ± 32                     | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | 220               | 220 ± 0.03                          | <b>✓</b> |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 25.0104465        | 25.0104465 ± 0.03                   | ~        |

| Name                                            | Input Value               |                                   |      |
|-------------------------------------------------|---------------------------|-----------------------------------|------|
| Adc2_GetPhsBCurr_Cnt_u16_m                      | 1837                      |                                   |      |
| Adc2_GetPhsCCurr_Cnt_u16_m                      | 480                       |                                   |      |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                   | 15360                     |                                   |      |
| CDD AppDataFwdPthAccessBfr Cnt G u16            | 0                         |                                   |      |
| CDD CDDDataAccessBfr Cnt G u16                  | 0                         |                                   |      |
| CDD CorrMtrPosElec Rev G f32[0]                 | 0.059000004               |                                   |      |
| CDD CorrMtrPosElec Rev G f32[1]                 | 0.0150332004              |                                   |      |
| CDD_DCPhsBComp_Cnt_G_u16p0                      | 3961                      |                                   |      |
| CDD DCPhsCComp Cnt G u16p0                      | 4434                      |                                   |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | 1.47500002                |                                   |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 15.4750004                |                                   |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | -0.0189999994             |                                   |      |
| CDD MtrCurr1TempOffset Volt G f32[1]            | -0.0179999992             |                                   |      |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.01452351                |                                   |      |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.01452363                |                                   |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | -0.0189999994             |                                   |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | -0.0179999992             |                                   |      |
| CDD MtrCurr2 Volts G f32[0]                     | 2.01452351                |                                   |      |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 1.01452363                |                                   |      |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -160.014526               |                                   |      |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 120.014526                |                                   |      |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 4.01452351                |                                   |      |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 18.0145245                |                                   |      |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -160.014526               |                                   |      |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 120.014526                |                                   |      |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -120.014526               |                                   |      |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 25.0145245                |                                   |      |
| CDD_MtrElecPol_Cnt_G_s8                         | -1                        |                                   |      |
| CDD_Vecu_Volt_G_f32[0]                          | 9.78999996                |                                   |      |
| CDD_Vecu_Volt_G_f32[1]                          | 16.8600006                |                                   |      |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 6.50000002e-005           |                                   |      |
| CmMtrCurr MtrCurr2OffDelta VoltpVoltCnt M f32   | 6.19999992e-005           |                                   |      |
| MtrPos CorrectedMtrPos Rev G u0p16              | 1442                      |                                   |      |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                   |      |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 1500                      |                                   |      |
| k_MtrPosComputDelay_Sec_f32                     | 0.000106                  |                                   |      |
| k_NoofPoles_Uls_f32                             | 6                         |                                   |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 2.20000005                |                                   |      |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 68.4749985                |                                   |      |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 49.4749985                |                                   |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.42400002                |                                   |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                   |      |
| Name                                            | Actual Value              | Expected Value                    | Resu |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.105407715               | 0.105407715 ± 0.0000152587890625  |      |
| CDD CorrMtrPosElec Rev G f32[1]                 | 0.0150332004              | 0.0150332004 ± 0.0000152587890625 |      |





| Name                           | Actual Value   | Expected Value                      | Result   |
|--------------------------------|----------------|-------------------------------------|----------|
| CDD_ElecPosDelayComp_Rad_G_f32 | 0.000469050021 | 0.000469049992 ± 0.0000152587890625 | ~        |
| CDD_MtrCurr1_Volts_G_f32[0]    | 2.16971922     | 2.16971922 ± 32                     | ~        |
| CDD_MtrCurr1_Volts_G_f32[1]    | 1.01452363     | 1.01452363 ± 32                     | ~        |
| CDD_MtrCurr2_Volts_G_f32[0]    | 0.512820542    | 0.512820542 ± 32                    | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[1]    | 1.01452363     | 1.01452363 ± 32                     | ~        |
| CDD_MtrCurrDax_Amp_G_f32[0]    | 220            | 220 ± 0.03                          | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[1]    | 120.014526     | 120.014526 ± 0.03                   | ~        |
| CDD_MtrCurrK1_Amps_G_f32[0]    | 296.138977     | 296.138977 ± 32                     | ~        |
| CDD_MtrCurrK1_Amps_G_f32[1]    | 18.0145245     | 18.0145245 ± 32                     | ~        |
| CDD_MtrCurrK2_Amps_G_f32[0]    | 22.4597664     | 22.4597664 ± 32                     | <b>✓</b> |
| CDD_MtrCurrK2_Amps_G_f32[1]    | 120.014526     | 120.014526 ± 32                     | ~        |
| CDD_MtrCurrQax_Amp_G_f32[0]    | 164.393143     | 164.393143 ± 0.03                   | <b>✓</b> |
| CDD_MtrCurrQax_Amp_G_f32[1]    | 25.0145245     | 25.0145245 ± 0.03                   | ~        |

| Test Step 2.76 (Repeat Count = 1)               | Invest Value                   |         |
|-------------------------------------------------|--------------------------------|---------|
| Name                                            | Input Value                    |         |
| Adc2_GetPhsBCurr_Cnt_u16_m                      | 1848                           |         |
| Adc2_GetPhsCCurr_Cnt_u16_m                      | 488                            |         |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                   | 16128                          |         |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16            | 1                              |         |
| CDD_CDDDataAccessBfr_Cnt_G_u16                  | 1                              |         |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0599999987                   |         |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.015288                       |         |
| CDD_DCPhsBComp_Cnt_G_u16p0                      | 4060                           |         |
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 4544                           |         |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | 2.5                            |         |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | 18.5                           |         |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | -0.0219999999                  |         |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | -0.0219999999                  |         |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.01477838                     |         |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 1.01477838                     |         |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | -0.0219999999                  |         |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | -0.0219999999                  |         |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.01477838                     |         |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 2.01477838                     |         |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -140.014786                    |         |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 63.0147781                     |         |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 3.01477838                     |         |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 10.0147781                     |         |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -140.014786                    |         |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | 63.0147781                     |         |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -140.014786                    |         |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | 63.0147781                     |         |
| CDD_MtrElecPol_Cnt_G_s8                         | 1                              |         |
| CDD_Vecu_Volt_G_f32[0]                          | 10.8000002                     |         |
| CDD_Vecu_Volt_G_f32[1]                          | 17.8700008                     |         |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 6.60000005e-005                |         |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32   | 6.29999995e-005                |         |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 1573                           |         |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr      |         |
| k_MtrCurrOffLoComOff_Cnt_u16                    | 658                            |         |
| <_MtrPosComputDelay_Sec_f32                     | 0.000107                       |         |
| k_NoofPoles_Uls_f32                             | 3.97869086                     |         |
| gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  | 2.29999995                     |         |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 | 70.5                           |         |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 50.5                           |         |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 2.42499995                     |         |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal              |         |
| Name                                            | Actual Value Expected Value    | Resu    |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0599999987 ± 0.0000152587    | 890625  |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0.941299438                    |         |
| CDD_ElecPosDelayComp_Rad_G_f32                  | 0.00393790938                  |         |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 2.01477838 2.01477838 ± 32     | 7000020 |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 2.17948723 2.17948723 ± 32     |         |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 1.01477838 1.01477838 ± 32     |         |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0.518925548 0.518925548 ± 32   |         |
| CDD MtrCurrDax Amp G f32[0]                     | -140.014786 -140.014786 ± 0.03 |         |
| CDD_MtrCurrDax_Amp_G_f32[1]                     | 220 220 ± 0.03                 |         |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | 3.01477838 3.01477838 ± 32     |         |
| CDD_MtrCurrK1_Amps_G_f32[1]                     | 618.623657 618.623657 52       |         |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -140.014786 -140.014786 ± 32   |         |

2016-07-24, 12:52:46+0530





| Name                        | Actual Value | Expected Value     | Result |
|-----------------------------|--------------|--------------------|--------|
| CDD_MtrCurrK2_Amps_G_f32[1] | 23.9609241   | 23.9609413 ± 32    | ~      |
| CDD_MtrCurrQax_Amp_G_f32[0] | -140.014786  | -140.014786 ± 0.03 | ~      |
| CDD_MtrCurrQax_Amp_G_f32[1] | -220         | -220 ± 0.03        | ~      |

#### **Test Case 3: Path Test**

Specification

Performance Metrics : [With "None" Instrumentation and WithPS Environment]

TC3.1 951 Cycles TC3.2 1000 Cycles TC3.3 948 Cycles TC3.4 914 Cycles

#### Description

Vector Description :-

TC3.1 (ElecPosDelayComp\_Rad\_T\_f32 < 0.0f )==>True && (Phs1Curr\_Cnt\_T\_u16 > D\_ZERO\_CNT\_U16)==>False && (Phs2Curr\_Cnt\_T\_u16 > D\_ZERO\_CNT\_U16)==>False && if( MtrElecPol\_Cnt\_T\_s08 == D\_POSITIVEONE\_CNT\_S8 )==>False && MtrCurrFinalDax\_Amps\_T\_f32 = Limit\_m(MtrCurrDax\_Amps\_T\_f32, -D\_CURRDQMAX\_AMP\_F32, D\_CURRDQMAX\_AMP\_F32)==>False && MtrCurrFinalQax\_Amps\_T\_f32 = Limit\_m(MtrCurrQax\_Amps\_T\_f32, -D\_CURRDQMAX\_AMP\_F32, D\_CURRDQMAX\_AMP\_F32)==>False TC3.2 (ElecPosDelayComp\_Rad\_T\_f32 < 0.0f)==>False && (Phs1Curr\_Cnt\_T\_u16 > D\_ZERO\_CNT\_U16)==>True && (Phs2Curr\_Cnt\_T\_u16 > D\_ZERO\_CNT\_U16)==>True && (Phs2Curr\_Cnt\_T\_u16 > D\_ZERO\_CNT\_U16)==>True TC3.3 MtrCurrFinalDax\_Amps\_T\_f32 = Limit\_m(MtrCurrDax\_Amps\_T\_f32, -D\_CURRDQMAX\_AMP\_F32, D\_CURRDQMAX\_AMP\_F32)==>True TC3.4 MtrCurrFinalQax\_Amps\_T\_f32 = Limit\_m(MtrCurrQax\_Amps\_T\_f32, -D\_CURRDQMAX\_AMP\_F32, D\_CURRDQMAX\_AMP\_F32)==>True

| Test Step 3.1 (Repeat Count = 1)                |                           |                                   | ~      |
|-------------------------------------------------|---------------------------|-----------------------------------|--------|
| Name                                            | Input Value               |                                   |        |
| Adc2_GetPhsBCurr_Cnt_u16_m                      | 0                         |                                   |        |
| Adc2_GetPhsCCurr_Cnt_u16_m                      | 0                         |                                   |        |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                   | 0                         |                                   |        |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16            | 0                         |                                   |        |
| CDD_CDDDataAccessBfr_Cnt_G_u16                  | 0                         |                                   |        |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0                         |                                   |        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                 | 0                         |                                   |        |
| CDD_DCPhsBComp_Cnt_G_u16p0                      | 0                         |                                   |        |
| CDD_DCPhsCComp_Cnt_G_u16p0                      | 0                         |                                   |        |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                 | -1118                     |                                   |        |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                 | -1118                     |                                   |        |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]            | -0.0260000005             |                                   |        |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]            | -0.0260000005             |                                   |        |
| CDD_MtrCurr1_Volts_G_f32[0]                     | 0                         |                                   |        |
| CDD_MtrCurr1_Volts_G_f32[1]                     | 0                         |                                   |        |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]            | -0.0260000005             |                                   |        |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]            | -0.0260000005             |                                   |        |
| CDD_MtrCurr2_Volts_G_f32[0]                     | 0                         |                                   |        |
| CDD_MtrCurr2_Volts_G_f32[1]                     | 0                         |                                   |        |
| CDD_MtrCurrDax_Amp_G_f32[0]                     | -220                      |                                   |        |
| CDD MtrCurrDax Amp G f32[1]                     | -220                      |                                   |        |
| CDD_MtrCurrK1_Amps_G_f32[0]                     | -220                      |                                   |        |
| CDD MtrCurrK1 Amps G f32[1]                     | -220                      |                                   |        |
| CDD_MtrCurrK2_Amps_G_f32[0]                     | -220                      |                                   |        |
| CDD_MtrCurrK2_Amps_G_f32[1]                     | -220                      |                                   |        |
| CDD_MtrCurrQax_Amp_G_f32[0]                     | -220                      |                                   |        |
| CDD_MtrCurrQax_Amp_G_f32[1]                     | -220                      |                                   |        |
| CDD MtrElecPol Cnt G s8                         | -1                        |                                   |        |
| CDD_Vecu_Volt_G_f32[0]                          | 5                         |                                   |        |
| CDD Vecu Volt G f32[1]                          | 5                         |                                   |        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32   | 0                         |                                   |        |
| CmMtrCurr MtrCurr2OffDelta VoltpVoltCnt M f32   | 0                         |                                   |        |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16              | 0                         |                                   |        |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |                                   |        |
| k MtrCurrOffLoComOff Cnt u16                    | 500                       |                                   |        |
| k_MtrPosComputDelay_Sec_f32                     | 2.49999994e-005           |                                   |        |
| k_NoofPoles_Uls_f32                             | 4.21999979                |                                   |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 | 1                         |                                   |        |
| tgt Pim ShCurrCal.EOLPhscurr1Gain AmpspVolt f32 | 20                        |                                   |        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 | 20                        |                                   |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 | 1                         |                                   |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |                                   |        |
| Name                                            | Actual Value              | Expected Value                    | Result |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                 | 0.0739440918              | 0.0739440918 ± 0.0000152587890625 | ✓ ×    |





| Name                            | Actual Value | Expected Value                    | Result   |
|---------------------------------|--------------|-----------------------------------|----------|
| CDD_CorrMtrPosElec_Rev_G_f32[1] | 0            | 0 ± 0.0000152587890625            | ✓        |
| CDD_ElecPosDelayComp_Rad_G_f32  | -0.058974497 | -0.058974497 ± 0.0000152587890625 | •        |
| CDD_MtrCurr1_Volts_G_f32[0]     | Ō            | 0 ± 32                            | <b>✓</b> |
| CDD_MtrCurr1_Volts_G_f32[1]     | 0            | 0 ± 32                            | •        |
| CDD_MtrCurr2_Volts_G_f32[0]     | 0            | 0 ± 32                            | <b>✓</b> |
| CDD_MtrCurr2_Volts_G_f32[1]     | 0            | 0 ± 32                            | •        |
| CDD_MtrCurrDax_Amp_G_f32[0]     | 34.8301964   | 34.8301964 ± 0.03                 | <b>✓</b> |
| CDD_MtrCurrDax_Amp_G_f32[1]     | -220         | -220 ± 0.03                       | •        |
| CDD_MtrCurrK1_Amps_G_f32[0]     | 38.9599991   | 38.9599991 ± 32                   | <b>✓</b> |
| CDD_MtrCurrK1_Amps_G_f32[1]     | -220         | -220 ± 32                         | •        |
| CDD_MtrCurrK2_Amps_G_f32[0]     | 0            | 0 ± 32                            | •        |
| CDD_MtrCurrK2_Amps_G_f32[1]     | -220         | -220 ± 32                         | •        |
| CDD_MtrCurrQax_Amp_G_f32[0]     | 17.4567757   | 17.4567757 ± 0.03                 | <b>✓</b> |
| CDD_MtrCurrQax_Amp_G_f32[1]     | -220         | -220 ± 0.03                       | •        |

| Test Step 3.2 (Repeat Count = 1)                        | Inner de Wester           |                                  |      |
|---------------------------------------------------------|---------------------------|----------------------------------|------|
| Name                                                    | Input Value               |                                  |      |
| Adc2_GetPhsBCurr_Cnt_u16_m                              | 4095                      |                                  |      |
| Adc2_GetPhsCCurr_Cnt_u16_m                              | 4095                      |                                  |      |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                           | 65280                     |                                  |      |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16                    | 1                         |                                  |      |
| CDD_CDDDataAccessBfr_Cnt_G_u16                          | 1                         |                                  |      |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                         | 0.999984741               |                                  |      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                         | 0.999984741               |                                  |      |
| CDD_DCPhsBComp_Cnt_G_u16p0                              | 7150                      |                                  |      |
| CDD_DCPhsCComp_Cnt_G_u16p0                              | 7150                      |                                  |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                         | 1118                      |                                  |      |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                         | 1118                      |                                  |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                    | 0.0260000005              |                                  |      |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                    | 0.0260000005              |                                  |      |
| CDD_MtrCurr1_Volts_G_f32[0]                             | 5                         |                                  |      |
| CDD_MtrCurr1_Volts_G_f32[1]                             | 5                         |                                  |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                    | 0.0260000005              |                                  |      |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]                    | 0.0260000005              |                                  |      |
| CDD MtrCurr2 Volts G f32[0]                             | 5                         |                                  |      |
| CDD MtrCurr2 Volts G f32[1]                             | 5                         |                                  |      |
| CDD_MtrCurrDax_Amp_G_f32[0]                             | 220                       |                                  |      |
| CDD_MtrCurrDax_Amp_G_f32[1]                             | 220                       |                                  |      |
| CDD_MtrCurrK1_Amps_G_f32[0]                             | 220                       |                                  |      |
| CDD_MtrCurrK1_Amps_G_f32[1]                             | 220                       |                                  |      |
| CDD_MtrCurrK2_Amps_G_132[0]                             | 220                       |                                  |      |
|                                                         | 220                       |                                  |      |
| CDD_MtrCurrCov_Amps_G_f32[1]                            | 220                       |                                  |      |
| CDD_MtrCurrQax_Amp_G_f32[0] CDD_MtrCurrQax_Amp_G_f32[1] | 220                       |                                  |      |
| CDD_MtrCurrQax_Amp_G_f32[1]                             | 1                         |                                  |      |
| CDD_MtrElecPol_Cnt_G_s8                                 |                           |                                  |      |
| CDD_Vecu_Volt_G_f32[0]                                  | 31                        |                                  |      |
| CDD_Vecu_Volt_G_f32[1]                                  | 31                        |                                  |      |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32           | 0.000171428997            |                                  |      |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32           | 0.000171428997            |                                  |      |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16                      | 65535                     |                                  |      |
| Rte_Inst_Sa_CmMtrCurr                                   | tgt_Rte_Inst_Sa_CmMtrCurr |                                  |      |
| k_MtrCurrOffLoComOff_Cnt_u16                            | 1500                      |                                  |      |
| k_MtrPosComputDelay_Sec_f32                             | 0.00019999995             |                                  |      |
| k_NoofPoles_Uls_f32                                     | 2.25                      |                                  |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32         | 3                         |                                  |      |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32         | 125                       |                                  |      |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32         | 125                       |                                  |      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32         | 3                         |                                  |      |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                 | tgt_Pim_ShCurrCal         |                                  |      |
| Name                                                    | Actual Value              | Expected Value                   | Resu |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                         | 0.999984741               | 0.999984741 ± 0.0000152587890625 |      |
| CDD CorrMtrPosElec Rev G f32[1]                         | 0.956695557               | 0.956695557 ± 0.0000152587890625 |      |
| CDD_ElecPosDelayComp_Rad_G_f32                          | 0.251549989               | 0.251549989 ± 0.0000152587890625 |      |
| CDD MtrCurr1 Volts G f32[0]                             | 5                         | 5 ± 32                           |      |
| CDD_MtrCurr1_Volts_G_f32[1]                             | 4.68864489                | 4.68864489 ± 32                  |      |
| CDD MtrCurr2 Volts G f32[0]                             | 5                         | 5 ± 32                           |      |
| CDD_MtrCurr2_Volts_G_f32[1]                             | 4.68864489                | 4.68864489 ± 32                  |      |
|                                                         |                           |                                  |      |
| CDD_MtrCurrDax_Amp_G_f32[0]                             | 220                       | 220 ± 0.03                       |      |
|                                                         | 220                       | 220 1 0 02                       |      |
| CDD_MtrCurrDax_Amp_G_f32[1] CDD_MtrCurrK1_Amps_G_f32[0] | 220<br>220                | 220 ± 0.03<br>220 ± 32           |      |





| Name                        | Actual Value | Expected Value | Result |
|-----------------------------|--------------|----------------|--------|
| CDD_MtrCurrK2_Amps_G_f32[0] | 220          | 220 ± 32       | ✓      |
| CDD_MtrCurrK2_Amps_G_f32[1] | 0            | 0 ± 32         | ✓      |
| CDD_MtrCurrQax_Amp_G_f32[0] | 220          | 220 ± 0.03     | ✓      |
| CDD_MtrCurrQax_Amp_G_f32[1] | -220         | -220 ± 0.03    | ✓      |

| Test Step 3.3 (Repeat Count = 1)                         |                                |            |
|----------------------------------------------------------|--------------------------------|------------|
| Name                                                     | Input Value                    |            |
| Adc2_GetPhsBCurr_Cnt_u16_m                               | 1342                           |            |
| Adc2_GetPhsCCurr_Cnt_u16_m                               | 325                            |            |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                            | 6912                           |            |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16                     | 1                              |            |
| CDD_CDDDataAccessBfr_Cnt_G_u16                           | 1                              |            |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                          | 0.0480000004                   |            |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                          | 0.0122304                      |            |
| CDD_DCPhsBComp_Cnt_G_u16p0                               | 3070                           |            |
| CDD_DCPhsCComp_Cnt_G_u16p0                               | 3444                           |            |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                          | -44.2000008                    |            |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                          | 87.1999969                     |            |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                     | 0.0199999996                   |            |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                     | 0.0209999997                   |            |
| CDD_MtrCurr1_Volts_G_f32[0]                              | 1.01172078                     |            |
| CDD_MtrCurr1_Volts_G_f32[1]                              | 2.0117209                      |            |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                     | 0.0199999996                   |            |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]                     | 0.0209999997                   |            |
| CDD_MtrCurr2_Volts_G_f32[0]                              | 1.01172078                     |            |
| CDD_MtrCurr2_Volts_G_f32[1]                              | 2.0117209                      |            |
| CDD_MtrCurrDax_Amp_G_f32[0]                              | -180.011719                    |            |
| CDD_MtrCurrDax_Amp_G_f32[1]                              | 125.011719                     |            |
| CDD_MtrCurrK1_Amps_G_f32[0]                              | 2.0117209                      |            |
| CDD_MtrCurrK1_Amps_G_f32[1]                              | 6.01172066                     |            |
| CDD_MtrCurrK2_Amps_G_f32[0]                              | -180.011719                    |            |
| CDD_MtrCurrK2_Amps_G_f32[1]                              | 125.011719                     |            |
| CDD_MtrCurrQax_Amp_G_f32[0]                              | -120.011719                    |            |
| CDD_MtrCurrQax_Amp_G_f32[1]                              | 25.0117207                     |            |
| CDD_MtrElecPol_Cnt_G_s8                                  | 1                              |            |
| CDD_Vecu_Volt_G_f32[0]                                   | 25.6800003                     |            |
| CDD_Vecu_Volt_G_f32[1]                                   | 24.3999996                     |            |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32            | 5.50000004e-005                |            |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32            | 3.70000016e-005                |            |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16                       | 11731                          |            |
| Rte_Inst_Sa_CmMtrCurr                                    | tgt_Rte_Inst_Sa_CmMtrCurr      |            |
| k_MtrCurrOffLoComOff_Cnt_u16                             | 760                            |            |
| k_MtrPosComputDelay_Sec_f32                              | 6.09999988e-005                |            |
| k_NoofPoles_Uls_f32                                      | 3.25                           |            |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32          | 1.10000002                     |            |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32          | 105.199997                     |            |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32          | 89.1999969                     |            |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32          | 2.37899995                     |            |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                  | tgt_Pim_ShCurrCal              |            |
| Name                                                     | Actual Value Expected Value    | Resu       |
| CDD CorrMtrPosElec Rev G f32[0]                          | 0.0480000004                   |            |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                          | 0.0970458984                   |            |
| CDD_ElecPosDelayComp_Rad_G_f32                           | 0.00864369981                  |            |
| CDD MtrCurr1 Volts G f32[0]                              | 1.01172078 1.01172078 ± 32     | 2307030023 |
| CDD_MtrCurr1_Volts_G_f32[1]                              | 1.60561669 1.60561669 ± 32     |            |
| CDD MtrCurr2 Volts G f32[0]                              | 1.01172078 1.01172078 ± 32     |            |
| CDD_MtrCurr2_Volts_G_f32[1]                              | 0.363858372                    |            |
| CDD_MtrCurrDax_Amp_G_f32[0]                              | -180.011719 -180.011719 ± 0.03 |            |
| CDD_MtrCurrDax_Amp_G_f32[1]                              | 220 220 ± 0.03                 |            |
| CDD_MtrCurrK1_Amps_G_f32[0]                              | 2.0117209 2.0117209 ± 32       |            |
| CDD_MitCurrK1_Amps_G_i3z[0]  CDD MtrCurrK1 Amps G f32[1] | 695.588745 695.588684 ± 32     |            |
|                                                          | -180.011719 -180.011719 ± 32   |            |
| CDD_MtrCurrK2_Amps_G_f32[0] CDD_MtrCurrK2_Amps_G_f32[1]  |                                |            |
| CDD_MtrCurrCox_Amps_G_f32[1]                             | -22.9245033                    |            |
| CDD_MtrCurrQax_Amp_G_f32[0]                              | -120.011719 -120.011719 ± 0.03 |            |





| Test Step 3.4 (Repeat Count = 1)                        |                           |                                     | ×      |
|---------------------------------------------------------|---------------------------|-------------------------------------|--------|
| Name                                                    | Input Value               |                                     |        |
| Adc2_GetPhsBCurr_Cnt_u16_m                              | 1375                      |                                     |        |
| Adc2_GetPhsCCurr_Cnt_u16_m                              | 159                       |                                     |        |
| CDD_ADC2OffsetComp_Cnt_G_u8p8                           | 9216                      |                                     |        |
| CDD_AppDataFwdPthAccessBfr_Cnt_G_u16                    | 0                         |                                     |        |
| CDD_CDDDataAccessBfr_Cnt_G_u16                          | 0                         |                                     |        |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                         | 0.050999999               |                                     |        |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                         | 0.0129947998              |                                     |        |
| CDD_DCPhsBComp_Cnt_G_u16p0                              | 3367                      |                                     |        |
| CDD_DCPhsCComp_Cnt_G_u16p0                              | 3774                      |                                     |        |
| CDD_MRFMtrVel_MtrRadpS_G_f32[0]                         | -52.2750015               |                                     |        |
| CDD_MRFMtrVel_MtrRadpS_G_f32[1]                         | 82.2750015                |                                     |        |
| CDD_MtrCurr1TempOffset_Volt_G_f32[0]                    | 0.023                     |                                     |        |
| CDD_MtrCurr1TempOffset_Volt_G_f32[1]                    | 0.0240000002              |                                     |        |
| CDD_MtrCurr1_Volts_G_f32[0]                             | 0.0124851996              |                                     |        |
| CDD_MtrCurr1_Volts_G_f32[1]                             | 2.01248527                |                                     |        |
| CDD_MtrCurr2TempOffset_Volt_G_f32[0]                    | 0.023                     |                                     |        |
| CDD_MtrCurr2TempOffset_Volt_G_f32[1]                    | 0.0240000002              |                                     |        |
| CDD_MtrCurr2_Volts_G_f32[0]                             | 0.0124851996              |                                     |        |
| CDD_MtrCurr2_Volts_G_f32[1]                             | 1.01248515                |                                     |        |
| CDD_MtrCurrDax_Amp_G_f32[0]                             | -120.012482               |                                     |        |
| CDD_MtrCurrDax_Amp_G_f32[1]                             | 25.0124855                |                                     |        |
| CDD_MtrCurrK1_Amps_G_f32[0]                             | 8.0124855                 |                                     |        |
| CDD_MtrCurrK1_Amps_G_f32[1]                             | 28.0124855                |                                     |        |
| CDD_MtrCurrK2_Amps_G_f32[0]                             | -120.012482               |                                     |        |
| CDD_MtrCurrK2_Amps_G_f32[1]                             | 25.0124855                |                                     |        |
| CDD_MtrCurrQax_Amp_G_f32[0]                             | -160.012482               |                                     |        |
| CDD_MtrCurrQax_Amp_G_f32[1]                             | 120.012482                |                                     |        |
| CDD_MtrElecPol_Cnt_G_s8                                 | -1                        |                                     |        |
| CDD_Vecu_Volt_G_f32[0]                                  | 28.7099991                |                                     |        |
| CDD_Vecu_Volt_G_f32[1]                                  | 8.77999973                |                                     |        |
| CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32           | 5.50000004e-005           |                                     |        |
| CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32           | 3.999999e-005             |                                     |        |
| MtrPos_CorrectedMtrPos_Rev_G_u0p16                      | 65535                     |                                     |        |
| Rte_Inst_Sa_CmMtrCurr                                   | tgt_Rte_Inst_Sa_CmMtrCurr |                                     |        |
| k_MtrCurrOffLoComOff_Cnt_u16                            | 790                       |                                     |        |
| k_MtrPosComputDelay_Sec_f32                             | 6.3999998e-005            |                                     |        |
| k_NoofPoles_Uls_f32                                     | 5.25                      |                                     |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32         | 1.3999998                 |                                     |        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32         | 108.275002                |                                     |        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32         | 95.2750015                |                                     |        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32         | 2.38199997                |                                     |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal                 | tgt_Pim_ShCurrCal         |                                     |        |
| Name                                                    | Actual Value              | Expected Value                      | Result |
| CDD_CorrMtrPosElec_Rev_G_f32[0]                         | 0.0819091797              | 0.0819091797 ± 0.0000152587890625   | -      |
| CDD_CorrMtrPosElec_Rev_G_f32[1]                         | 0.0129947998              | 0.0129947998 ± 0.0000152587890625   | •      |
| CDD_ElecPosDelayComp_Rad_G_f32                          | -0.00878220052            | -0.00878220052 ± 0.0000152587890625 | -      |
| CDD_MtrCurr1_Volts_G_f32[0]                             | 1.63492072                | 1.63492072 ± 32                     | •      |
| CDD_MtrCurr1_Volts_G_f32[1]                             | 2.01248527                | 2.01248527 ± 32                     | -      |
| CDD_MtrCurr2_Volts_G_f32[0]                             | 0.150183156               | 0.150183156 ± 32                    | •      |
| CDD_MtrCurr2_Volts_G_f32[1]                             | 1.01248515                | 1.01248515 ± 32                     | •      |
| CDD_MtrCurrDax_Amp_G_f32[0]                             | 220                       | 220 ± 0.03                          | •      |
| CDD_MtrCurrDax_Amp_G_f32[1]                             | 25.0124855                | 25.0124855 ± 0.03                   | -      |
| CDD_MtrCurrK1_Amps_G_f32[0]                             | 984.020691                | 984.02063 ± 32                      | •      |
| CDD_MtrCurrK1_Amps_G_f32[1]                             | 28.0124855                | 28.0124855 ± 32                     | -      |
|                                                         | 5.51565886                | 5.5156765 ± 32                      | •      |
| CDD MtrCurrK2 Amps G f32[0]                             |                           |                                     |        |
| CDD_MtrCurrK2_Amps_G_f32[0] CDD_MtrCurrK2_Amps_G_f32[1] | 25.0124855                | 25.0124855 ± 32                     | -      |
|                                                         |                           | 25.0124855 ± 32<br>220 ± 0.03       |        |

2016-07-24, 12:43:14+0530



CmMtrCurr\_SCom\_CalGain

Project CmMtrCurr1

Module CmMtrCurr\_MTRCURRPHASEAC\_ON

Test Object CmMtrCurr\_SCom\_CalGain

#### Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|-------------------------|-------|
| Decision Coverage       | 100 % |
| Branch (C1) Coverage    | 100 % |
| MCC Coverage            | 100 % |
| MC/DC Coverage          | 100 % |

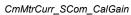
#### Statistics

| Total Testcases | 3 |          |
|-----------------|---|----------|
| Successful      | 3 | <b>~</b> |
| Failed          | 0 |          |
| Not Executed    | 0 |          |

#### **Module Properties**

| Project Root Directory | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP                                                                                                                                                                                                                                                                               |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Configuration File     | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config<br>\TMS570_GCC_UDE_CCS4_Config.xml                                                                                                                                                                                                                         |
| Target Environment     | TI TMS 570 PLS UDE (Default)                                                                                                                                                                                                                                                                                                   |
| Kind of Test           | Unit Test                                                                                                                                                                                                                                                                                                                      |
| Linker Options         |                                                                                                                                                                                                                                                                                                                                |
| Source File(s)         |                                                                                                                                                                                                                                                                                                                                |
| File                   | \$(PROJECTROOT)\CmMtrCurr\src\Sa_CmMtrCurr.c                                                                                                                                                                                                                                                                                   |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include                                  |
| File                   | \$(PROJECTROOT)\NxtrLib\src\interpolation.c                                                                                                                                                                                                                                                                                    |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include |

| Comments/Description/Spe | ecification |
|--------------------------|-------------|
| Name                     | Text        |





Module 'CmMtrCurr MTRCURRPHASEAC ON 

Name of Tester:Chandrakanth Sheegi Code File(s) Under Test:Sa\_CmMtrCurr.c Code File(s) Version:2

Code File(s) Version:2
Module Design Document: CmMtrCurr\_MDD.docx
Module Design Document Version:2
Data Dictionary Version:2
Unit Test Plan Version:2
Optimization Level: Level 2
Compiler (CodeGen) Version:TMS470\_4.9.5
Model Type: Excel Macro
Model Version: Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.32
Total FLASH Used (Bytes):3176
Total RAM Used (Bytes):130
Total CALS Used (Bytes):46
Special Test Requirements:NA
Test Date: 7/23/2016

Test Date:7/23/2016
Comments:
"Note1: Inline functions defined in globalmacro.h are not unit tested.

Note2:- ""CBD\_Sandbox\_dbg.map"" map file is embedded for reference.

Note3:-In function ""CmMtrCurr\_Per3"" some variables are going out of range for some vectors,accepted by devloper variables are :-MtrCurr2SumHi\_Volt\_M\_f32 , VecuSum\_Volt\_M\_f32 , MtrCurr1SumLo\_Volt\_M\_f32, MtrCurr2SumLo\_Volt\_M\_f32, MtrCurr1SumZero\_Volt\_M\_f32,MtrCurr2SumZero\_Volt\_M\_f32, CmMtrCurr\_CurrOffAvgCounter\_Cnt\_M\_u16 .

Note4:-In function CurrDQPer1(), variables 'MtrCurrK1\_Amps\_f32' and 'MtrCurrK2\_Amps\_f32' are going to very large values."

| Attributes            |                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------|
| Name                  | Value                                                                                    |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5                     |
| Float Precision       | 9                                                                                        |
| InitObjDir            | \$(PROJECTROOT)\UnitTestEnv\static_build_files\obj                                       |
| InitSrcDir            | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                                       |
| Linker File           | \$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd                              |
| Makefile Template     | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_Ps.tpl                  |
| Target Install Path   | \$(ProgramFiles)\pls\UDE 4.4                                                             |
| Time Unit             | cycles                                                                                   |
| Timer Enabled         | false                                                                                    |
| Timer Prescale        | 0                                                                                        |
| Timer Resolution      | 1                                                                                        |
| UDE Config File       | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                             |
| Workspace File        | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |



#### **Test Case 1: Metrics Test**

Specification

Performance Metrics : [With "None" Instrumentation and WithPS Environment]

TC1.1 778.00 Cycles TC1.2 839.00 Cycles

#### Description

VECTOR DESCRIPTION:

TS1.1 Shortest Execution Path==> ((Abs\_f32\_m(MtrVel\_MtrRadpS\_T\_f32) < k\_MaxCurrOffMtrVel\_RadpS\_f32) = FALSE && (CmMtrCurr\_CurrentGainSvc\_Cnt\_M\_lgc == TRUE) = False)
TS1.2 "Longest Execution Path==> ((Abs\_f32\_m(MtrVel\_MtrRadpS\_T\_f32) < k\_MaxCurrOffMtrVel\_RadpS\_f32) = True && (CmMtrCurr\_CurrentGainSvc\_Cnt\_M\_lgc == TRUE) = True);
(VehSpd\_Kph\_T\_f32 < FLT\_EPSILON) = True && (VhSpdValid\_T\_Cnt\_lgc == TRUE) = True;
(MtrCurr2Gain\_AmpspVolt\_T\_f32 >= k\_MtrCurrEOLMinGain\_AmpspVolts\_f32) = True && (MtrCurr2Gain\_AmpspVolt\_T\_f32 <= k\_MtrCurrEOLMaxGain\_AmpspVolts\_f32) = True && (MtrCurr1Gain\_AmpspVolt\_T\_f32 <= k\_MtrCurrEOLMinGain\_AmpspVolts\_f32) = True && (MtrCurr1Gain\_AmpspVolt\_T\_f32 <= k\_MtrCurrEOLMaxGain\_AmpspVolts\_f32) False"

| Test Step 1.1 (Repeat Count = 1)                   |                              |                        | ✓      |
|----------------------------------------------------|------------------------------|------------------------|--------|
| Name                                               | Input Value                  |                        |        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 0                            |                        |        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 3.15951061                   |                        |        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 2.61391854                   |                        |        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 2.28594756                   |                        |        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 2.13913393                   |                        |        |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr    |                        |        |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_Mt | rVel_MtrRadpS_f32_data |        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_Ve | hSpd_Kph_f32_data      |        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_Vh | SpdValid_Cnt_lgc_data  |        |
| k_CurrGainNumerator_Amps_f32                       | 31.9035587                   |                        |        |
| k_MaxCurrOffMtrVel_RadpS_f32                       | -10.8761864                  |                        |        |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 25.1560555                   |                        |        |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 23.0745354                   |                        |        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 54.4717789                   |                        |        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 39.4476624                   |                        |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal            |                        |        |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | -1118                        |                        |        |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.42092897e-008              |                        |        |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 0                            |                        |        |
| Name                                               | Actual Value                 | Expected Value         | Result |
| CmMtrCurr_SCom_CalGain()                           | 34                           | 34                     | ✓      |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 54.4717789                   | 54.4717789             | ✓      |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 39.4476624                   | 39.4476624             | ✓      |

| Test Step Call Trace                      |       |                                           |       |        |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|
| Actual Function                           | Count | Expected Function                         | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | •      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |

| Name                                               | Input Value                                        |
|----------------------------------------------------|----------------------------------------------------|
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                                                  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 1.94878829                                         |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 0.354222178                                        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 3                                                  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.81953025                                         |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr                          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  |
| k_CurrGainNumerator_Amps_f32                       | 68.7071075                                         |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 13.807971                                          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 50                                                 |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 30                                                 |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 103.155792                                         |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 41.77005                                           |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal                                  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 12                                                 |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.92092902e-008                                    |

2016-07-24, 12:43:14+0530



| Name                                              | Input Value  |                |        |
|---------------------------------------------------|--------------|----------------|--------|
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data | 1            |                |        |
| Name                                              | Actual Value | Expected Value | Result |
| CmMtrCurr_SCom_CalGain()                          | 20           | 20             | ~      |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 103.155792   | 103.155792     | •      |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 41.77005     | 41.77005       | ~      |



#### **Test Case 2: Range Test**

```
Specification
```

Performance Metrics : [With "None" Instrumentation and WithPS Environment]

CPU Cycles:

778.00 Cycles
779.00 Cycles
820.00 Cycles
781.00 Cycles
788.00 Cycles
777.00 Cycles
779.00 Cycles TC2.2 TC2.3 TC2.4 TC2.5 TC2.6 TC2.7 TC2.8 TC2.10 TC2.11 TC2.14 TC2.15 TC2.16 TC2.17 TC2.18 779.00 Cycles
820.00 Cycles
827.00 Cycles
819.00 Cycles
819.00 Cycles
819.00 Cycles
818.00 Cycles
818.00 Cycles
837.00 Cycles
839.00 Cycles
824.00 Cycles
819.00 Cycles
819.00 Cycles
818.00 Cycles
818.00 Cycles
818.00 Cycles
818.00 Cycles
831.00 Cycles
831.00 Cycles
831.00 Cycles
831.00 Cycles
831.00 Cycles TC2.18 TC2.19 TC2.20 TC2.21 TC2.22 TC2.23 TC2.24 TC2.24 TC2.25 TC2.26 TC2.27 TC2.28 TC2.29 TC2.30 TC2.31 TC2.32 TC2.33 TC2.34 TC2.35 TC2.36 TC2.37 819.00 Cycles 824.00 Cycles 819.00 Cycles TC2.38 TC2.39 TC2.40 818.00 Cycles 818.00 Cycles 824.00 Cycles 790.00 Cycles 895.00 Cycles TC2.41 TC2.42 TC2.43 TC2.44 TC2.45 888.00 Cycles 789.00 Cycles 790.00 Cycles

#### Description

#### VECTOR DESCRIPTION:

TS2.1All Min

TS2.2All Max

TS2.3MtrVel\_MtrRadpS\_f32==>Min

TS2.4MtrVel\_MtrRadpS\_f32==>Max TS2.5MtrVel\_MtrRadpS\_f32==>Pos

TS2.5MtrVel\_MtrRadpS\_f32==>Pos
TS2.6MtrVel\_MtrRadpS\_f32==>Pos
TS2.6MtrVel\_MtrRadpS\_f32==>Neg
TS2.7MtrVel\_MtrRadpS\_f32==>Neg
TS2.8VehSpd\_Kph\_f32==>Min
TS2.9VehSpd\_Kph\_f32==>Max
TS2.10VehSpd\_Kph\_f32==>Pos
TS2.11CurrentGainSvc\_Cnt\_M\_lgc==>Min
TS2.12CurrentGainSvc\_Cnt\_M\_lgc==>Max
TS2.13CurrentGainSvc\_Cnt\_M\_lgc==>Pos
TS2.14k\_MaxCurrOffMtrVel\_RadpS\_f32==>Min
TS2.15k\_MaxCurrOffMtrVel\_RadpS\_f32==>Max
TS2.16k\_MaxCurrOffMtrVel\_RadpS\_f32==>Pos
TS2.17k\_MaxCurrOffMtrVel\_RadpS\_f32==>Pos
TS2.18k\_MaxCurrOffMtrVel\_RadpS\_f32==>Neg
TS2.19k\_MaxCurrOffMtrVel\_RadpS\_f32==>Neg
TS2.19k\_MaxCurrOffMtrVel\_RadpS\_f32==>Neg
TS2.19k\_MaxCurrOffMtrVel\_RadpS\_f32==>Default
TS2.20k\_CurrGainNumerator\_Amps\_f32==>Min

TS2.20k\_CurrGainNumerator\_Amps\_f32==>Min TS2.21k\_CurrGainNumerator\_Amps\_f32==>Max TS2.22k\_CurrGainNumerator\_Amps\_f32==>Pos

TS2.22k\_CurrGainNumerator\_Amps\_f32==>Pos
TS2.23k\_CurrGainNumerator\_Amps\_f32==>Default
TS2.24FiitMtrCurr1\_Volts\_M\_f32==>Min
TS2.25FiitMtrCurr1\_Volts\_M\_f32==>Pos
TS2.26FiitMtrCurr2\_Volts\_M\_f32==>Min
TS2.28FiitMtrCurr2\_Volts\_M\_f32==>Max

TS2.29FiltMtrCurr2\_Volts\_M\_f32==>Pos TS2.30MtrCurr1OffsetZero\_Volts\_M\_f32==>Min TS2.31MtrCurr1OffsetZero\_Volts\_M\_f32==>Max

TS2.32MtrCurr1OffsetZero\_Volts\_M\_f32==>Pos TS2.33MtrCurr2OffsetZero\_Volts\_M\_f32==>Min TS2.34MtrCurr2OffsetZero\_Volts\_M\_f32==>Max

TS2.354MtCurr2OffsetZero\_Volts\_M\_f32==>Mix
TS2.35MtrCurr2OffsetZero\_Volts\_M\_f32==>Pos
TS2.36k\_MtrCurrEOLMinGain\_AmpspVolts\_f32==>Mix
TS2.37k\_MtrCurrEOLMinGain\_AmpspVolts\_f32==>Max
TS2.38k\_MtrCurrEOLMinGain\_AmpspVolts\_f32==>Pos

TS2.39k\_MtrCurrEOLMinGain\_AmpspVolts\_f32==>Default TS2.40k\_MtrCurrEOLMaxGain\_AmpspVolts\_f32==>Min TS2.41k\_MtrCurrEOLMaxGain\_AmpspVolts\_f32==>Max

TS2.42k\_MtrCurrEOLMaxGain\_AmpspVolts\_f32==>Pos TS2.43k\_MtrCurrEOLMaxGain\_AmpspVolts\_f32==>Default

TS2.44VhSpdValid\_Cnt\_lgc==>True

TS2.45VhSpdValid\_Cnt\_lgc==>False

© Report created by TESSY V3.1.13, report template V2.1

5



| Test Step 2.1 (Repeat Count = 1)                   |                            |                          | <b>✓</b> |
|----------------------------------------------------|----------------------------|--------------------------|----------|
| Name                                               | Input Value                |                          |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 0                          |                          |          |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 0                          |                          |          |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 0                          |                          |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 0                          |                          |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 0                          |                          |          |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr  |                          |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_ | MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_ | VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_ | VhSpdValid_Cnt_lgc_data  |          |
| k_CurrGainNumerator_Amps_f32                       | 10                         |                          |          |
| k_MaxCurrOffMtrVel_RadpS_f32                       | -20                        |                          |          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 20                         |                          |          |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 20                         |                          |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 20                         |                          |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 20                         |                          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal          |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | -1118                      |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 0                          |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 0                          |                          |          |
| Name                                               | Actual Value               | Expected Value           | Result   |
| CmMtrCurr_SCom_CalGain()                           | 34                         | 34                       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 20                         | 20                       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 20                         | 20                       | <b>✓</b> |

| Test Step Call Trace                      |       |                                           |       |        |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|
| Actual Function                           | Count | Expected Function                         | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |

| Test Step 2.2 (Repeat Count = 1)                   |                            |                                                   | ✓      |  |
|----------------------------------------------------|----------------------------|---------------------------------------------------|--------|--|
| Name                                               | Input Value                |                                                   |        |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                          | 1                                                 |        |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 5                          |                                                   |        |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 5                          |                                                   |        |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 5                          |                                                   |        |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 5                          |                                                   |        |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr  |                                                   |        |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_ | _MtrVel_MtrRadpS_f32_data                         |        |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_ | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data     |        |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_ | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |        |  |
| k_CurrGainNumerator_Amps_f32                       | 100                        | 100                                               |        |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 20                         |                                                   |        |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 125                        |                                                   |        |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 125                        |                                                   |        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 125                        |                                                   |        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 125                        |                                                   |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal          |                                                   |        |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 1118                       |                                                   |        |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 255                        |                                                   |        |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                          |                                                   |        |  |
| Name                                               | Actual Value               | Expected Value                                    | Result |  |
| CmMtrCurr_SCom_CalGain()                           | 34                         | 34                                                | ~      |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 125                        | 125                                               | ~      |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 125                        | 125                                               | ~      |  |

| Test Step Call Trace                      |       |                                           |       |        |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|
| Actual Function                           | Count | Expected Function                         | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | •      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |



| Test Step 2.3 (Repeat Count = 1)                   |                             |                          | <b>✓</b> |  |
|----------------------------------------------------|-----------------------------|--------------------------|----------|--|
| Name                                               | Input Value                 |                          |          |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 0                           |                          |          |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 3.15951061                  |                          |          |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 2.61391854                  |                          |          |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 2.28594756                  |                          |          |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 2.13913393                  |                          |          |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr   |                          |          |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_N | /trVel_MtrRadpS_f32_data |          |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_V | /ehSpd_Kph_f32_data      |          |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_V | /hSpdValid_Cnt_lgc_data  |          |  |
| k_CurrGainNumerator_Amps_f32                       | 31.9035587                  | 31.9035587               |          |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | -10.8761864                 |                          |          |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 25.1560555                  |                          |          |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 23.0745354                  |                          |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 54.4717789                  |                          |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 39.4476624                  |                          |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal           |                          |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | -1118                       |                          |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.42092897e-008             |                          |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 0                           |                          |          |  |
| Name                                               | Actual Value                | Expected Value           | Result   |  |
| CmMtrCurr_SCom_CalGain()                           | 34                          | 34                       | ✓        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 54.4717789                  | 54.4717789               | <b>✓</b> |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 39.4476624                  | 39.4476624               | <b>✓</b> |  |

| Test Step Call Trace                      |       |                                           |       | <b>✓</b> |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|
| Actual Function                           | Count | Expected Function                         | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~        |

| Name                                               | Innut Value                 |                                                   |       |  |
|----------------------------------------------------|-----------------------------|---------------------------------------------------|-------|--|
|                                                    | Input Value                 |                                                   |       |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                           |                                                   |       |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 0.80455792                  |                                                   |       |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 2.5402112                   |                                                   |       |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 2.63160253                  |                                                   |       |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 2.09609175                  |                                                   |       |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr   |                                                   |       |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_N | /trVel_MtrRadpS_f32_data                          |       |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_\ | /ehSpd_Kph_f32_data                               |       |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_\ | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |       |  |
| k_CurrGainNumerator_Amps_f32                       | 89.952034                   | 89.952034                                         |       |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | -5.40126753                 |                                                   |       |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 122.265915                  |                                                   |       |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 123.037086                  |                                                   |       |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 20                          |                                                   |       |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 89.4126968                  |                                                   |       |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal           |                                                   |       |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 1118                        |                                                   |       |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.32092897e-008             |                                                   |       |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                           |                                                   |       |  |
| Name                                               | Actual Value                | Expected Value                                    | Resul |  |
| CmMtrCurr_SCom_CalGain()                           | 34                          | 34                                                | •     |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 20                          | 20                                                |       |  |
| tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32    | 89.4126968                  | 89.4126968                                        |       |  |

| Test Step Call Trace                      |       |                                           |       |        |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|
| Actual Function                           | Count | Expected Function                         | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |



| Test Step 2.5 (Repeat Count = 1)                   |                                       |                | <b>✓</b> |
|----------------------------------------------------|---------------------------------------|----------------|----------|
| Name                                               | Input Value                           |                |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 0                                     |                |          |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 5                                     |                |          |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 5                                     |                |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1.21432745                            |                |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 2.37371659                            |                |          |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr             |                |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrF | RadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kp   | h_f32_data     |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid  | _Cnt_lgc_data  |          |
| k_CurrGainNumerator_Amps_f32                       | 21.7974014                            |                |          |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 2.6853888                             |                |          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 82.6539917                            |                |          |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 110.010643                            |                |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 125                                   |                |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 25.273819                             |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal                     |                |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 325.200012                            |                |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.22092896e-008                       |                |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 0                                     |                |          |
| Name                                               | Actual Value                          | Expected Value | Result   |
| CmMtrCurr_SCom_CalGain()                           | 34                                    | 34             | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 125                                   | 125            | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 25.273819                             | 25.273819      |          |

| Test Step Call Trace                      |       |                                           |       | <b>✓</b> |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|
| Actual Function                           | Count | Expected Function                         | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~        |

| Name                                               | Innut Value                 |                                                   |       |  |
|----------------------------------------------------|-----------------------------|---------------------------------------------------|-------|--|
| Name                                               | Input Value                 |                                                   |       |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                           |                                                   |       |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 0.186926723                 |                                                   |       |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 0.337590337                 |                                                   |       |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1.16958308                  |                                                   |       |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 3                           |                                                   |       |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr   |                                                   |       |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_N | MtrVel_MtrRadpS_f32_data                          |       |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_\ | /ehSpd_Kph_f32_data                               |       |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_\ | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |       |  |
| k_CurrGainNumerator_Amps_f32                       | 61.8514366                  | 61.8514366                                        |       |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | -5.42132139                 |                                                   |       |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 49.2117958                  |                                                   |       |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 50.3813629                  |                                                   |       |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 53                          |                                                   |       |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 112.796776                  |                                                   |       |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal           |                                                   |       |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 0                           |                                                   |       |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.12092895e-008             |                                                   |       |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                           |                                                   |       |  |
| Name                                               | Actual Value                | Expected Value                                    | Resul |  |
| CmMtrCurr_SCom_CalGain()                           | 34                          | 34                                                | •     |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 53                          | 53                                                |       |  |
| tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32    | 112.796776                  | 112.796776                                        |       |  |

| Test Step Call Trace                      |       |                                           |       |        |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|
| Actual Function                           | Count | Expected Function                         | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |



| Test Step 2.7 (Repeat Count = 1)                   |                             |                          | <b>✓</b> |
|----------------------------------------------------|-----------------------------|--------------------------|----------|
| Name                                               | Input Value                 |                          |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 0                           |                          |          |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 4.75539064                  |                          |          |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 5                           |                          |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 3                           |                          |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.76694405                  |                          |          |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr   |                          |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_N | /trVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_\ | /ehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_\ | /hSpdValid_Cnt_lgc_data  |          |
| k_CurrGainNumerator_Amps_f32                       | 65.2313766                  |                          |          |
| k_MaxCurrOffMtrVel_RadpS_f32                       | -11.6234684                 |                          |          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 69.7472534                  |                          |          |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 41.77005                    |                          |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 115.94371                   |                          |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 20                          |                          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal           |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | -286.100006                 |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.02092894e-008             |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 0                           |                          |          |
| Name                                               | Actual Value                | Expected Value           | Result   |
| CmMtrCurr_SCom_CalGain()                           | 34                          | 34                       | ✓        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 115.94371                   | 115.94371                | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 20                          | 20                       | <b>✓</b> |

| Test Step Call Trace                      |       |                                           |       |        |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|
| Actual Function                           | Count | Expected Function                         | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |

| Name                                               | Input Value                |                                                   |          |  |
|----------------------------------------------------|----------------------------|---------------------------------------------------|----------|--|
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                          |                                                   |          |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 4.31525755                 |                                                   |          |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 1.4392966                  |                                                   |          |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 3                          |                                                   |          |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 3                          |                                                   |          |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr  |                                                   |          |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_ | MtrVel_MtrRadpS_f32_data                          |          |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_ | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data     |          |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_ | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |          |  |
| k_CurrGainNumerator_Amps_f32                       | 65.5278931                 |                                                   |          |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 3.73730636                 |                                                   |          |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 55.389286                  |                                                   |          |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 66.9764252                 |                                                   |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 112.832649                 |                                                   |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 125                        |                                                   |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal          |                                                   |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 3                          |                                                   |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 0                          |                                                   |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                          |                                                   |          |  |
| Name                                               | Actual Value               | Expected Value                                    | Result   |  |
| CmMtrCurr_SCom_CalGain()                           | 20                         | 20                                                | <b>✓</b> |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 112.832649                 | 112.832649                                        | ~        |  |
| tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32    | 125                        | 125                                               | <b>✓</b> |  |

| Test Step Call Trace                      |       |                                           |       |        |  |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|--|
| Actual Function                           | Count | Expected Function                         | Count | Result |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~      |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |  |

 $tgt\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32\\ tgt\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32\\$ 

CmMtrCurr\_SCom\_CalGain



| Test Step 2.9 (Repeat Count = 1)                   |                                                |                                                   | <b>✓</b> |  |
|----------------------------------------------------|------------------------------------------------|---------------------------------------------------|----------|--|
| Name                                               | Input Value                                    |                                                   |          |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 0                                              |                                                   |          |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 1.46488023                                     |                                                   |          |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 0.315663815                                    |                                                   |          |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1.05782449                                     |                                                   |          |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 3                                              |                                                   |          |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr                      |                                                   |          |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32  | _data                                             |          |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data  | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data     |          |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_c | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |          |  |
| k_CurrGainNumerator_Amps_f32                       | 73.1418304                                     |                                                   |          |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 5.8294816                                      |                                                   |          |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 109.092964                                     |                                                   |          |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 92.6149826                                     |                                                   |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 64.1647263                                     |                                                   |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 31                                             |                                                   |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal                              |                                                   |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 5                                              |                                                   |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 255                                            |                                                   |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 0                                              |                                                   |          |  |
| Name                                               | Actual Value Expect                            | ted Value                                         | Result   |  |
| CmMtrCurr SCom CalGain()                           | 34 34                                          |                                                   | <b>✓</b> |  |

| Test Step Call Trace                      |       |                                           |       |        |  |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|--|
| Actual Function                           | Count | Expected Function                         | Count | Result |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | •      |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |  |

64.1647263

31

64.1647263

31

| Test Step 2.10 (Repeat Count = 1)                  |                            |                                                   |        |  |
|----------------------------------------------------|----------------------------|---------------------------------------------------|--------|--|
| Name                                               | Input Value                |                                                   |        |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                          |                                                   |        |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 5                          |                                                   |        |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 4.6822896                  |                                                   |        |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 2.96990252                 |                                                   |        |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 2.39276075                 |                                                   |        |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr  |                                                   |        |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_ | MtrVel_MtrRadpS_f32_data                          |        |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_ | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data     |        |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_ | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |        |  |
| k_CurrGainNumerator_Amps_f32                       | 87.3520889                 |                                                   |        |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 14                         |                                                   |        |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 94.9676437                 |                                                   |        |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 49.8012352                 |                                                   |        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 33.0467796                 |                                                   |        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 31.6057796                 |                                                   |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal          | tgt_Pim_ShCurrCal                                 |        |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 13                         |                                                   |        |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 112.221352                 |                                                   |        |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                          |                                                   |        |  |
| Name                                               | Actual Value               | Expected Value                                    | Result |  |
| CmMtrCurr_SCom_CalGain()                           | 21                         | 21                                                | •      |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 33.0467796                 | 33.0467796                                        | •      |  |
| tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32    | 31.6057796                 | 31.6057796                                        |        |  |

| Test Step Call Trace                      |       |                                           |       |        |  |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|--|
| Actual Function                           | Count | Expected Function                         | Count | Result |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~      |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |  |



| Test Step 2.11 (Repeat Count = 1)                  |                             |                                                   | <b>✓</b> |  |  |
|----------------------------------------------------|-----------------------------|---------------------------------------------------|----------|--|--|
| Name                                               | Input Value                 |                                                   |          |  |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 0                           | 0                                                 |          |  |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 2.80097008                  |                                                   |          |  |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 0.220229387                 |                                                   |          |  |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 3                           |                                                   |          |  |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.37640941                  |                                                   |          |  |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr   |                                                   |          |  |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_N | MtrVel_MtrRadpS_f32_data                          |          |  |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_\ | /ehSpd_Kph_f32_data                               |          |  |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_\ | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |          |  |  |
| k_CurrGainNumerator_Amps_f32                       | 18.8776169                  | 18.8776169                                        |          |  |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | -17.4999733                 | -17.4999733                                       |          |  |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 113.761436                  |                                                   |          |  |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 122.311699                  |                                                   |          |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 121.140739                  |                                                   |          |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 30.4687443                  |                                                   |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal           |                                                   |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | -358.884979                 |                                                   |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 106.661987                  |                                                   |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 0                           |                                                   |          |  |  |
| Name                                               | Actual Value                | Expected Value                                    | Result   |  |  |
| CmMtrCurr_SCom_CalGain()                           | 34                          | 34                                                | ~        |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 121.140739                  | 121.140739                                        | <b>✓</b> |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 30.4687443                  | 30.4687443                                        | <b>~</b> |  |  |

| Took Ston Coll Trace                      |       |                                           |       |          |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|
| Test Step Call Trace                      |       |                                           |       | ~        |
| Actual Function                           | Count | Expected Function                         | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | •        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | <b>~</b> |
| Rte Read Sa CmMtrCurr VhSpdValid Cnt Igc  | 1     | Rte Read Sa CmMtrCurr VhSpdValid Cnt Igc  | 1     | <b>✓</b> |

| Test Step 2.12 (Repeat Count = 1)                  |                             |                                                   | <b>✓</b> |  |
|----------------------------------------------------|-----------------------------|---------------------------------------------------|----------|--|
| Name                                               | Input Value                 |                                                   |          |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                           |                                                   |          |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 4.34404659                  |                                                   |          |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 0.817958236                 |                                                   |          |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1.36003387                  |                                                   |          |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.59666729                  |                                                   |          |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr   |                                                   |          |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_N | /trVel_MtrRadpS_f32_data                          |          |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_\ | /ehSpd_Kph_f32_data                               |          |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_\ | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |          |  |
| k_CurrGainNumerator_Amps_f32                       | 45.8946037                  | 45.8946037                                        |          |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 6.0018301                   |                                                   |          |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 42.0015259                  |                                                   |          |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 39.4476624                  |                                                   |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 104.513512                  |                                                   |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 58.6394958                  |                                                   |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal           |                                                   |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 5                           |                                                   |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 31.509201                   |                                                   |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                           |                                                   |          |  |
| Name                                               | Actual Value                | Expected Value                                    | Result   |  |
| CmMtrCurr_SCom_CalGain()                           | 21                          | 21                                                | ~        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 104.513512                  | 104.513512                                        | ✓        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 58.6394958                  | 58.6394958                                        | <b>~</b> |  |

| Test Step Call Trace                      |       |                                           |       |        |  |  |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|--|--|
| Actual Function                           | Count | Expected Function                         | Count | Result |  |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |  |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~      |  |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |  |  |

CmMtrCurr\_SCom\_CalGain()

 $tgt\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32$ 

tgt\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32



Result

| Test Step 2.13 (Repeat Count = 1)                  |                                                    |
|----------------------------------------------------|----------------------------------------------------|
| Name                                               | Input Value                                        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                                                  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 2.38193107                                         |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 4.01512814                                         |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 2.15354538                                         |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.73478293                                         |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr                          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  |
| k_CurrGainNumerator_Amps_f32                       | 84.8754425                                         |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 14.3808813                                         |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 31.7918854                                         |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 89.4126968                                         |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 93.8062134                                         |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 25.7233143                                         |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal                                  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | -130.417068                                        |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 244.264435                                         |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 0                                                  |

| Test Step Call Trace                      |       |                                           |       | <b>✓</b> |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|
| Actual Function                           | Count | Expected Function                         | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~        |
| Rte Read Sa CmMtrCurr VhSndValid Cnt Inc  | 1     | Rte Read Sa CmMtrCurr VhSndValid Cnt Inc  | 1     | _        |

Actual Value

93.8062134

25.7233143

**Expected Value** 

93.8062134

25.7233143

| Test Step 2.14 (Repeat Count = 1)                  |                                       |                | <b>a</b> |
|----------------------------------------------------|---------------------------------------|----------------|----------|
|                                                    | Innut Value                           |                | Ť        |
| Name                                               | Input Value                           |                |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 0                                     |                |          |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 1.39193523                            |                |          |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 1.5775491                             |                |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 2.47839379                            |                |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 3                                     |                |          |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr             |                |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrR | adpS_f32_data  |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kpl  | n_f32_data     |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_ | _Cnt_lgc_data  |          |
| k_CurrGainNumerator_Amps_f32                       | 34.4000244                            |                |          |
| k_MaxCurrOffMtrVel_RadpS_f32                       | -20                                   |                |          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 69.7639389                            |                |          |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 25.273819                             |                |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 62.5700874                            |                |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 122.058647                            |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal                     |                |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | -1044.89429                           |                |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 204.108109                            |                |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                                     |                |          |
| Name                                               | Actual Value                          | Expected Value | Result   |
| CmMtrCurr_SCom_CalGain()                           | 34                                    | 34             | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 62.5700874                            | 62.5700874     | •        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 122.058647                            | 122.058647     | ~        |

| Test Step Call Trace                      |       |                                           |       |        |  |  |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|--|--|
| Actual Function                           | Count | Expected Function                         | Count | Result |  |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |  |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | •      |  |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |  |  |

 $tgt\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32$ tgt\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32

CmMtrCurr\_SCom\_CalGain



| Test Step 2.15 (Repeat Count = 1)                  |                                                   |                                               | <b>✓</b> |  |  |
|----------------------------------------------------|---------------------------------------------------|-----------------------------------------------|----------|--|--|
| Name                                               | Input Value                                       |                                               |          |  |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                                                 | 1                                             |          |  |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 3.61595106                                        |                                               |          |  |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 5                                                 |                                               |          |  |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 5                                                 |                                               |          |  |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.04681456                                        |                                               |          |  |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr                         |                                               |          |  |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_M                | ftrRadpS_f32_data                             |          |  |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_                 | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data |          |  |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |                                               |          |  |  |
| k_CurrGainNumerator_Amps_f32                       | 71.7374725                                        |                                               |          |  |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 20                                                |                                               |          |  |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 33.1933517                                        |                                               |          |  |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 112.796776                                        |                                               |          |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 21.7275562                                        |                                               |          |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 125                                               |                                               |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal                                 |                                               |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | -1068.23291                                       |                                               |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 178.248962                                        |                                               |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 0                                                 |                                               |          |  |  |
| Name                                               | Actual Value                                      | Expected Value                                | Result   |  |  |
| CmMtrCurr_SCom_CalGain()                           | 34                                                | 34                                            | ~        |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 21.7275562                                        | 21.7275562                                    | <b>✓</b> |  |  |

| Test Step Call Trace                      |       |                                           |       |        |  |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|--|
| Actual Function                           | Count | Expected Function                         | Count | Result |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | •      |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |  |

125

125

| Test Step 2.16 (Repeat Count = 1)                  |                             |                                                   |        |  |
|----------------------------------------------------|-----------------------------|---------------------------------------------------|--------|--|
| Name                                               | Input Value                 |                                                   |        |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 0                           |                                                   |        |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 3.30681849                  |                                                   |        |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 1.26103485                  |                                                   |        |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1.50823259                  |                                                   |        |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.98266852                  |                                                   |        |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr   |                                                   |        |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_I | MtrVel_MtrRadpS_f32_data                          |        |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_  | VehSpd_Kph_f32_data                               |        |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_  | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |        |  |
| k_CurrGainNumerator_Amps_f32                       | 46.0540466                  | 46.0540466                                        |        |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 16.4224472                  |                                                   |        |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 36.7433815                  |                                                   |        |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 25.7839298                  |                                                   |        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 37.7828598                  |                                                   |        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 80.8725357                  |                                                   |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal           |                                                   |        |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | -305.718506                 |                                                   |        |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 102.810776                  |                                                   |        |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                           |                                                   |        |  |
| Name                                               | Actual Value                | Expected Value                                    | Result |  |
| CmMtrCurr_SCom_CalGain()                           | 34                          | 34                                                | •      |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 37.7828598                  | 37.7828598                                        | •      |  |
| tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32    | 80.8725357                  | 80.8725357                                        | •      |  |

| Test Step Call Trace                      |       |                                           |       |        |  |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|--|
| Actual Function                           | Count | Expected Function                         | Count | Result |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~      |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |  |

 $tgt\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32$ 

tgt\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32

CmMtrCurr\_SCom\_CalGain



Test Step 2.17 (Repeat Count = 1) Input Value Name  $CmMtrCurr\_CurrentGainSvc\_Cnt\_M\_lgc$ CmMtrCurr\_FiltMtrCurr1\_Volt\_M\_f32 2.77047086 CmMtrCurr\_FiltMtrCurr2\_Volt\_M\_f32 1.35728502 CmMtrCurr\_MtrCurr1OffsetZero\_Volt\_M\_f32 3  $CmMtrCurr\_MtrCurr2OffsetZero\_Volt\_M\_f32$ Rte\_Inst\_Sa\_CmMtrCurr tgt\_Rte\_Inst\_Sa\_CmMtrCurr Rte\_Read\_Sa\_CmMtrCurr\_MtrVel\_MtrRadpS\_f32(data) tgt\_Rte\_Read\_Sa\_CmMtrCurr\_MtrVel\_MtrRadpS\_f32\_data Rte\_Read\_Sa\_CmMtrCurr\_VehSpd\_Kph\_f32(data) tgt\_Rte\_Read\_Sa\_CmMtrCurr\_VehSpd\_Kph\_f32\_data Rte\_Read\_Sa\_CmMtrCurr\_VhSpdValid\_Cnt\_lgc(data)  $tgt\_Rte\_Read\_Sa\_CmMtrCurr\_VhSpdValid\_Cnt\_lgc\_data$ 85.930069  $k\_CurrGainNumerator\_Amps\_f32$ k MaxCurrOffMtrVel RadpS f32 72.9535217  $k\_MtrCurrEOLMaxGain\_AmpspVolts\_f32$ 71.5293884 k MtrCurrEOLMinGain AmpspVolts f32  $tgt\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32$ 37.4088211 tgt\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32 20.5383587  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_ShCurrCal$ tgt\_Pim\_ShCurrCal  $tgt\_Rte\_Read\_Sa\_CmMtrCurr\_MtrVel\_MtrRadpS\_f32\_data$ -117.319763  $tgt\_Rte\_Read\_Sa\_CmMtrCurr\_VehSpd\_Kph\_f32\_data$ 4.17221069  $tgt\_Rte\_Read\_Sa\_CmMtrCurr\_VhSpdValid\_Cnt\_lgc\_data$ Actual Value **Expected Value** Result CmMtrCurr\_SCom\_CalGain() 34

| Test Step Call Trace                      |       |                                           |       | <b>✓</b> |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|
| Actual Function                           | Count | Expected Function                         | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~        |

37.4088211

20.5383587

37.4088211

20.5383587

| Test Step 2.18 (Repeat Count = 1)                  |                                                   |                | <b>a</b> |
|----------------------------------------------------|---------------------------------------------------|----------------|----------|
|                                                    | Innut Value                                       |                | ·        |
| Name                                               | Input Value                                       |                |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 0                                                 |                |          |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 3.89574933                                        |                |          |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 3.03691816                                        |                |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 2.95817947                                        |                |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.86018288                                        |                |          |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr                         |                |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrR             | adpS_f32_data  |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kpl              | n_f32_data     |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |                |          |
| k_CurrGainNumerator_Amps_f32                       | 49.3872719                                        |                |          |
| k_MaxCurrOffMtrVel_RadpS_f32                       | -11.5441637                                       |                |          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 108.617409                                        |                |          |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 70.047287                                         |                |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 74.0303192                                        |                |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 85.5710297                                        |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal                                 |                |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | -970.654724                                       |                |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 42.9472809                                        |                |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                                                 |                |          |
| Name                                               | Actual Value                                      | Expected Value | Result   |
| CmMtrCurr_SCom_CalGain()                           | 34                                                | 34             | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 74.0303192                                        | 74.0303192     | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 85.5710297                                        | 85.5710297     | -        |

| Test Step Call Trace                      |       |                                           |       |        |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|
| Actual Function                           | Count | Expected Function                         | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | •      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |



| Test Step 2.19 (Repeat Count = 1)                  |                            |                                                   | <b>-</b> |  |
|----------------------------------------------------|----------------------------|---------------------------------------------------|----------|--|
| Name                                               | Input Value                |                                                   |          |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 0                          | 0                                                 |          |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 3.30681849                 |                                                   |          |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 1.26103485                 |                                                   |          |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1.50823259                 |                                                   |          |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.98266852                 |                                                   |          |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr  |                                                   |          |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_ | MtrVel_MtrRadpS_f32_data                          |          |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_ | VehSpd_Kph_f32_data                               |          |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_ | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |          |  |
| k_CurrGainNumerator_Amps_f32                       | 46.0540466                 |                                                   |          |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 10                         |                                                   |          |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 36.7433815                 |                                                   |          |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 25.7839298                 |                                                   |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 37.7828598                 |                                                   |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 80.8725357                 |                                                   |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal          |                                                   |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | -305.718506                |                                                   |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 102.810776                 |                                                   |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                          |                                                   |          |  |
| Name                                               | Actual Value               | Expected Value                                    | Result   |  |
| CmMtrCurr_SCom_CalGain()                           | 34                         | 34                                                | ~        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 37.7828598                 | 37.7828598                                        | •        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 80.8725357                 | 80.8725357                                        | <b>✓</b> |  |

| Test Step Call Trace                      |       |                                           |       |        |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|
| Actual Function                           | Count | Expected Function                         | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |

| Test Step 2.20 (Repeat Count = 1)                  |                             |                                                   | <b>✓</b> |  |
|----------------------------------------------------|-----------------------------|---------------------------------------------------|----------|--|
| Name                                               | Input Value                 |                                                   |          |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                           | 1                                                 |          |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 4.59620762                  |                                                   |          |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 3.71786714                  |                                                   |          |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1.66684794                  |                                                   |          |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.9502176                   |                                                   |          |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr   |                                                   |          |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_I | MtrVel_MtrRadpS_f32_data                          |          |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_\ | /ehSpd_Kph_f32_data                               |          |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_\ | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_data |          |  |
| k_CurrGainNumerator_Amps_f32                       | 10                          |                                                   |          |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 11.5441637                  |                                                   |          |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 92.1178284                  |                                                   |          |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 31.6057796                  |                                                   |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 93.8062134                  |                                                   |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 41.77005                    |                                                   |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal           |                                                   |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 11                          |                                                   |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.92092902e-008             |                                                   |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                           |                                                   |          |  |
| Name                                               | Actual Value                | Expected Value                                    | Result   |  |
| CmMtrCurr_SCom_CalGain()                           | 20                          | 20                                                | ~        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 93.8062134                  | 93.8062134                                        | ~        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 41.77005                    | 41.77005                                          | ~        |  |

| Test Step Call Trace                      |       |                                           |       |        |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|
| Actual Function                           | Count | Expected Function                         | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | •      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |



| Test Step 2.21 (Repeat Count = 1)                  |                             |                                                   | <b>✓</b> |  |  |
|----------------------------------------------------|-----------------------------|---------------------------------------------------|----------|--|--|
| Name                                               | Input Value                 |                                                   |          |  |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                           | 1                                                 |          |  |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 0.390951276                 |                                                   |          |  |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 3.6404748                   |                                                   |          |  |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1.14026868                  |                                                   |          |  |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.44701993                  |                                                   |          |  |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr   |                                                   |          |  |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_I | MtrVel_MtrRadpS_f32_data                          |          |  |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_  | VehSpd_Kph_f32_data                               |          |  |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_  | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |          |  |  |
| k_CurrGainNumerator_Amps_f32                       | 100                         | 100                                               |          |  |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 13                          |                                                   |          |  |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 102.015366                  |                                                   |          |  |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 30.4687443                  |                                                   |          |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 62.5700874                  |                                                   |          |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 66.9764252                  |                                                   |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal           |                                                   |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 12                          |                                                   |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.82092901e-008             |                                                   |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                           |                                                   |          |  |  |
| Name                                               | Actual Value                | Expected Value                                    | Result   |  |  |
| CmMtrCurr_SCom_CalGain()                           | 20                          | 20                                                | ~        |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 62.5700874                  | 62.5700874                                        | <b>✓</b> |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 66.9764252                  | 66.9764252                                        |          |  |  |

| Test Step Call Trace                      |       |                                           |       |        |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|
| Actual Function                           | Count | Expected Function                         | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |

| Test Step 2.22 (Repeat Count = 1)                  |                            |                                                   |        |  |
|----------------------------------------------------|----------------------------|---------------------------------------------------|--------|--|
| Name                                               | Input Value                |                                                   |        |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                          | 1                                                 |        |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 0.943365812                |                                                   |        |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 0.601289749                |                                                   |        |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 3                          |                                                   |        |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.96839261                 |                                                   |        |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr  |                                                   |        |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_ | MtrVel_MtrRadpS_f32_data                          |        |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_ | VehSpd_Kph_f32_data                               |        |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_ | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |        |  |
| k_CurrGainNumerator_Amps_f32                       | 71.7374725                 | 71.7374725                                        |        |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 10                         |                                                   |        |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 25.501339                  |                                                   |        |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 58.6394958                 |                                                   |        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 21.7275562                 |                                                   |        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 92.6149826                 |                                                   |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal          |                                                   |        |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 9                          |                                                   |        |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.720929e-008              |                                                   |        |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                          |                                                   |        |  |
| Name                                               | Actual Value               | Expected Value                                    | Result |  |
| CmMtrCurr_SCom_CalGain()                           | 20                         | 20                                                | •      |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 21.7275562                 | 21.7275562                                        | •      |  |
| tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32    | 92.6149826                 | 92.6149826                                        | •      |  |

| Test Step Call Trace                      |       |                                           |       |        |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|
| Actual Function                           | Count | Expected Function                         | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | •      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |



| Test Step 2.23 (Repeat Count = 1)                  |                            |                                                   | <b>✓</b> |  |  |
|----------------------------------------------------|----------------------------|---------------------------------------------------|----------|--|--|
| Name                                               | Input Value                |                                                   |          |  |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 0                          |                                                   |          |  |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 3.30681849                 |                                                   |          |  |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 1.26103485                 |                                                   |          |  |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1.50823259                 |                                                   |          |  |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.98266852                 |                                                   |          |  |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr  |                                                   |          |  |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_ | MtrVel_MtrRadpS_f32_data                          |          |  |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_ | VehSpd_Kph_f32_data                               |          |  |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_ | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |          |  |  |
| k_CurrGainNumerator_Amps_f32                       | 45                         | 45                                                |          |  |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 16.4224472                 | 16.4224472                                        |          |  |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 36.7433815                 |                                                   |          |  |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 25.7839298                 |                                                   |          |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 37.7828598                 |                                                   |          |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 80.8725357                 |                                                   |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal          |                                                   |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | -305.718506                |                                                   |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 102.810776                 |                                                   |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                          |                                                   |          |  |  |
| Name                                               | Actual Value               | Expected Value                                    | Result   |  |  |
| CmMtrCurr_SCom_CalGain()                           | 34                         | 34                                                | ✓        |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 37.7828598                 | 37.7828598                                        | ✓        |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 80.8725357                 | 80.8725357                                        | <b>✓</b> |  |  |

| Test Step Call Trace                      |       |                                           |       | <b>✓</b> |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|
| Actual Function                           | Count | Expected Function                         | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~        |
| Rte Read Sa CmMtrCurr VhSpdValid Cnt lgc  | 1     | Rte Read Sa CmMtrCurr VhSpdValid Cnt Igc  | 1     | <b>✓</b> |

| Test Step 2.24 (Repeat Count = 1)                  |                                       |                | <b>a</b> |
|----------------------------------------------------|---------------------------------------|----------------|----------|
| Name                                               | Input Value                           |                | Ť        |
| CmMtrCurr CurrentGainSvc Cnt M Igc                 | input value                           |                |          |
| CmMtrCurr FiltMtrCurr1 Volt M f32                  |                                       |                |          |
|                                                    | 0                                     |                |          |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 5                                     |                |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 2.4721868                             |                |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 2.43143535                            |                |          |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr             |                |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrR | adpS_f32_data  |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kpl  | h_f32_data     |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_ | _Cnt_lgc_data  |          |
| k_CurrGainNumerator_Amps_f32                       | 91.8181686                            |                |          |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 2.42746878                            |                |          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 44.3826485                            |                |          |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 25.7233143                            |                |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 37.7828598                            |                |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 49.8012352                            |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal                     |                |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 2                                     |                |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.92092902e-008                       |                |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                                     |                |          |
| Name                                               | Actual Value                          | Expected Value | Result   |
| CmMtrCurr_SCom_CalGain()                           | 0                                     | 0              | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 37.1404648                            | 37.1404648     | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 35.7468796                            | 35.7468796     | ~        |

| Test Step Call Trace                          |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | <b>✓</b> |

CmMtrCurr\_SCom\_CalGain()

 $tgt\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32$ 

 $tgt\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32$ 



Result

**Expected Value** 

37.4088211

122.311699

20

Test Step 2.25 (Repeat Count = 1) Input Value Name  $CmMtrCurr\_CurrentGainSvc\_Cnt\_M\_lgc$ CmMtrCurr\_FiltMtrCurr1\_Volt\_M\_f32 5 CmMtrCurr\_FiltMtrCurr2\_Volt\_M\_f32 2.29574561 CmMtrCurr\_MtrCurr1OffsetZero\_Volt\_M\_f32 3  $CmMtrCurr\_MtrCurr2OffsetZero\_Volt\_M\_f32$ Rte\_Inst\_Sa\_CmMtrCurr tgt\_Rte\_Inst\_Sa\_CmMtrCurr tgt\_Rte\_Read\_Sa\_CmMtrCurr\_MtrVel\_MtrRadpS\_f32\_data  $Rte\_Read\_Sa\_CmMtrCurr\_MtrVel\_MtrRadpS\_f32(data)$ Rte\_Read\_Sa\_CmMtrCurr\_VehSpd\_Kph\_f32(data) tgt\_Rte\_Read\_Sa\_CmMtrCurr\_VehSpd\_Kph\_f32\_data Rte\_Read\_Sa\_CmMtrCurr\_VhSpdValid\_Cnt\_lgc(data)  $tgt\_Rte\_Read\_Sa\_CmMtrCurr\_VhSpdValid\_Cnt\_lgc\_data$  $k\_CurrGainNumerator\_Amps\_f32$ 29.8067837 k MaxCurrOffMtrVel RadpS f32 7.63191891 83.0960236  $k\_MtrCurrEOLMaxGain\_AmpspVolts\_f32$ 122.058647 k MtrCurrEOLMinGain AmpspVolts f32 37.4088211  $tgt\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32$ tgt\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32 122.311699  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_ShCurrCal$ tgt\_Pim\_ShCurrCal  $tgt\_Rte\_Read\_Sa\_CmMtrCurr\_MtrVel\_MtrRadpS\_f32\_data$  $tgt\_Rte\_Read\_Sa\_CmMtrCurr\_VehSpd\_Kph\_f32\_data$ 1.82092901e-008  $tgt\_Rte\_Read\_Sa\_CmMtrCurr\_VhSpdValid\_Cnt\_lgc\_data$ 

| Test Step Call Trace                      |       |                                           |       | <b>✓</b> |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|
| Actual Function                           | Count | Expected Function                         | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~        |
| Pte Read Sa CmMtrCurr VhSndValid Cnt Idc  | 1     | Rte Read Sa CmMtrCurr VhSndValid Cnt Igc  | 1     | -        |

**Actual Value** 

37.4088211

122.311699

20

| Test Step 2.26 (Repeat Count = 1)                  |                                       |                | 2      |
|----------------------------------------------------|---------------------------------------|----------------|--------|
| Name                                               | Input Value                           |                | ·      |
|                                                    | input value                           |                |        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 0.00574000                            |                |        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 3.89574933                            |                |        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 2.08408523                            |                |        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1.19748688                            |                |        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.11710191                            |                |        |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr             |                |        |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrR | adpS_f32_data  |        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kpl  | n_f32_data     |        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_ | Cnt_lgc_data   |        |
| k_CurrGainNumerator_Amps_f32                       | 99.3749237                            |                |        |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 12                                    |                |        |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 124.75901                             |                |        |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 125                                   |                |        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 74.0303192                            |                |        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 39.4476624                            |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal                     |                |        |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 9                                     |                |        |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.720929e-008                         |                |        |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                                     |                |        |
| Name                                               | Actual Value                          | Expected Value | Result |
| CmMtrCurr_SCom_CalGain()                           | 20                                    | 20             | ~      |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 74.0303192                            | 74.0303192     | ~      |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 39.4476624                            | 39.4476624     | ~      |

| Test Step Call Trace                      |       |                                           |       | <b>✓</b> |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|
| Actual Function                           | Count | Expected Function                         | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~        |



| Test Step 2.27 (Repeat Count = 1)                  |                             |                          | <b>✓</b> |
|----------------------------------------------------|-----------------------------|--------------------------|----------|
| Name                                               | Input Value                 |                          |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                           |                          |          |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 5                           |                          |          |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 0                           |                          |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1.04084432                  |                          |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 3                           |                          |          |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr   |                          |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_I | MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_\ | VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_\ | VhSpdValid_Cnt_lgc_data  |          |
| k_CurrGainNumerator_Amps_f32                       | 97.881012                   |                          |          |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 6.55960798                  |                          |          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 102.735748                  |                          |          |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 80.8725357                  |                          |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 103.155792                  |                          |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 89.4126968                  |                          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal           |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 6.23000002                  |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.52092898e-008             |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                           |                          |          |
| Name                                               | Actual Value                | Expected Value           | Result   |
| CmMtrCurr_SCom_CalGain()                           | 20                          | 20                       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 103.155792                  | 103.155792               | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 89.4126968                  | 89.4126968               | <b>~</b> |

| Toot Stop Call Trace |                                           |       |                                           |       |          |
|----------------------|-------------------------------------------|-------|-------------------------------------------|-------|----------|
|                      | Test Step Call Trace                      |       |                                           |       | ~        |
|                      | Actual Function                           | Count | Expected Function                         | Count | Result   |
|                      | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | •        |
|                      | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | <b>~</b> |
|                      | Rte Read Sa CmMtrCurr VhSpdValid Cnt Igc  | 1     | Rte Read Sa CmMtrCurr VhSpdValid Cnt Igc  | 1     | <b>✓</b> |

| Test Step 2.28 (Repeat Count = 1)                  |                                |                       | <b>✓</b> |
|----------------------------------------------------|--------------------------------|-----------------------|----------|
| Name                                               | Input Value                    |                       |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                              |                       |          |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 1.35675466                     |                       |          |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 5                              |                       |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 3                              |                       |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.22144949                     |                       |          |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr      |                       |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_Mtr\ | Vel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_Veh  | Spd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_VhS  | SpdValid_Cnt_lgc_data |          |
| k_CurrGainNumerator_Amps_f32                       | 89.2937164                     |                       |          |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 16.8791161                     |                       |          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 38.7834282                     |                       |          |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 20.5383587                     |                       |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 25.327858                      |                       |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 25.273819                      |                       |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal              |                       |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 16                             |                       |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.42092897e-008                |                       |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                              |                       |          |
| Name                                               | Actual Value                   | Expected Value        | Result   |
| CmMtrCurr_SCom_CalGain()                           | 20                             | 20                    | ✓        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 25.327858                      | 25.327858             | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 25.273819                      | 25.273819             | ~        |

| Test Step Call Trace                      |       |                                           |       | <b>✓</b> |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|
| Actual Function                           | Count | Expected Function                         | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | •        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~        |



| Test Step 2.29 (Repeat Count = 1)                  |                             |                          | <b>✓</b> |
|----------------------------------------------------|-----------------------------|--------------------------|----------|
| Name                                               | Input Value                 |                          |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                           |                          |          |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 2.07940292                  |                          |          |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 2.44428372                  |                          |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1.62973619                  |                          |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 2.88936687                  |                          |          |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr   |                          |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_I | MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_\ | VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_\ | VhSpdValid_Cnt_lgc_data  |          |
| k_CurrGainNumerator_Amps_f32                       | 57.5751991                  |                          |          |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 12                          |                          |          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 84.081665                   |                          |          |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 85.5710297                  |                          |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 74.9096909                  |                          |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 112.796776                  |                          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal           |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 10.1199999                  |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.32092897e-008             |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                           |                          |          |
| Name                                               | Actual Value                | Expected Value           | Result   |
| CmMtrCurr_SCom_CalGain()                           | 20                          | 20                       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 74.9096909                  | 74.9096909               | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 112.796776                  | 112.796776               |          |

| Test Step Call Trace                      |       |                                           |       | <b>✓</b> |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|
| Actual Function                           | Count | Expected Function                         | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~        |

| Name                                               | Input Value                 |                          |        |
|----------------------------------------------------|-----------------------------|--------------------------|--------|
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                           |                          |        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 5                           |                          |        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 2.44428372                  |                          |        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 0                           |                          |        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 3                           |                          |        |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr   |                          |        |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_I | MtrVel_MtrRadpS_f32_data |        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_\ | /ehSpd_Kph_f32_data      |        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_\ | /hSpdValid_Cnt_lgc_data  |        |
| k_CurrGainNumerator_Amps_f32                       | 69.2344742                  |                          |        |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 15.1930275                  |                          |        |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 89.7380981                  |                          |        |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 99.2575531                  |                          |        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 100.245132                  |                          |        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 20                          |                          |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal           |                          |        |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 15.1199999                  |                          |        |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.82092901e-008             |                          |        |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                           |                          |        |
| Name                                               | Actual Value                | Expected Value           | Result |
| CmMtrCurr_SCom_CalGain()                           | 20                          | 20                       | •      |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 100.245132                  | 100.245132               | •      |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 20                          | 20                       | •      |

| Test Step Call Trace                      |       |                                           |       | <b>✓</b> |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|
| Actual Function                           | Count | Expected Function                         | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | •        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~        |



| Test Step 2.31 (Repeat Count = 1)                  |                             |                          | <b>✓</b> |
|----------------------------------------------------|-----------------------------|--------------------------|----------|
| Name                                               | Input Value                 |                          |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                           |                          |          |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 2.88392043                  |                          |          |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 5                           |                          |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 5                           |                          |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 3                           |                          |          |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr   |                          |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_I | MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_\ | /ehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_\ | /hSpdValid_Cnt_lgc_data  |          |
| k_CurrGainNumerator_Amps_f32                       | 51.557972                   |                          |          |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 2.55310059                  |                          |          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 118.490364                  |                          |          |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 61.2193489                  |                          |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 104.871002                  |                          |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 125                         |                          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal           |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 2.2999995                   |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.720929e-008               |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                           |                          |          |
| Name                                               | Actual Value                | Expected Value           | Result   |
| CmMtrCurr_SCom_CalGain()                           | 20                          | 20                       | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 104.871002                  | 104.871002               | ✓        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 125                         | 125                      | <b>✓</b> |

| Test Step Call Trace                      |       |                                           |       | <b>✓</b> |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|
| Actual Function                           | Count | Expected Function                         | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~        |

| Test Step 2.32 (Repeat Count = 1)                  |                            |                           | <b>✓</b> |
|----------------------------------------------------|----------------------------|---------------------------|----------|
| Name                                               | Input Value                |                           |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                          |                           |          |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 1.39182651                 |                           |          |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 1.50744832                 |                           |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1.62973619                 |                           |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 2.21551538                 |                           |          |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr  |                           |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_ | _MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_ | VehSpd_Kph_f32_data       |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_ | _VhSpdValid_Cnt_lgc_data  |          |
| k_CurrGainNumerator_Amps_f32                       | 24.2459946                 |                           |          |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 11.6354561                 |                           |          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 73.9438934                 |                           |          |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 80.1448822                 |                           |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 54.4717789                 |                           |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 31                         |                           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal          |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 11                         |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.52092898e-008            |                           |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                          |                           |          |
| Name                                               | Actual Value               | Expected Value            | Result   |
| CmMtrCurr_SCom_CalGain()                           | 20                         | 20                        | <b>→</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 54.4717789                 | 54.4717789                | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 31                         | 31                        | <b>✓</b> |

| Test Step Call Trace                      |       |                                           |       | <b>✓</b> |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|
| Actual Function                           | Count | Expected Function                         | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | •        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~        |

tgt\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32

CmMtrCurr\_SCom\_CalGain



| Test Step 2.33 (Repeat Count = 1)                  |                            |                           |        |
|----------------------------------------------------|----------------------------|---------------------------|--------|
| Name                                               | Input Value                |                           |        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                          |                           |        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 5                          |                           |        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 3.32434344                 |                           |        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1.86266994                 |                           |        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 0                          |                           |        |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr  |                           |        |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_ | _MtrVel_MtrRadpS_f32_data |        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_ | VehSpd_Kph_f32_data       |        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_ | _VhSpdValid_Cnt_lgc_data  |        |
| k_CurrGainNumerator_Amps_f32                       | 68.5189056                 |                           |        |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 14                         |                           |        |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 75.8273315                 |                           |        |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 37.3105354                 |                           |        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 20                         |                           |        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 31.6057796                 |                           |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal          |                           |        |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 13                         |                           |        |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.92092902e-008            |                           |        |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                          |                           |        |
| Name                                               | Actual Value               | Expected Value            | Result |
| CmMtrCurr_SCom_CalGain()                           | 20                         | 20                        | ~      |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 20                         | 20                        | ✓      |
|                                                    |                            |                           |        |

| Took Ston Coll Trace                      |       |                                           |       |          |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|
| Test Step Call Trace                      |       |                                           |       | ~        |
| Actual Function                           | Count | Expected Function                         | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | •        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | <b>~</b> |
| Rte Read Sa CmMtrCurr VhSpdValid Cnt Igc  | 1     | Rte Read Sa CmMtrCurr VhSpdValid Cnt Igc  | 1     | <b>✓</b> |

31.6057796

31.6057796

| Test Step 2.34 (Repeat Count = 1)                  |                            |                          | ✓        |
|----------------------------------------------------|----------------------------|--------------------------|----------|
| Name                                               | Input Value                |                          |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                          |                          |          |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 0.411308885                |                          |          |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 0.266846538                |                          |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 3                          |                          |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 5                          |                          |          |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr  |                          |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_ | MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_ | VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_ | VhSpdValid_Cnt_lgc_data  |          |
| k_CurrGainNumerator_Amps_f32                       | 65.7517548                 |                          |          |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 15                         |                          |          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 61.3199501                 |                          |          |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 90.8617935                 |                          |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 125                        |                          |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 30.4687443                 |                          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal          |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 14                         |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.82092901e-008            |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                          |                          |          |
| Name                                               | Actual Value               | Expected Value           | Result   |
| CmMtrCurr_SCom_CalGain()                           | 20                         | 20                       | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 125                        | 125                      | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 30.4687443                 | 30.4687443               | ~        |

| Test Step Call Trace                      |       |                                           |       | V      |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|
| Actual Function                           | Count | Expected Function                         | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |



| Test Step 2.35 (Repeat Count = 1)                  |                             |                          | <b>✓</b> |
|----------------------------------------------------|-----------------------------|--------------------------|----------|
| Name                                               | Input Value                 |                          |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                           |                          |          |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 0.798796892                 |                          |          |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 4.88477182                  |                          |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 3                           |                          |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 2.88936687                  |                          |          |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr   |                          |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_I | MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_  | VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_  | VhSpdValid_Cnt_lgc_data  |          |
| k_CurrGainNumerator_Amps_f32                       | 87.710968                   |                          |          |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 10.6504936                  |                          |          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 71.788269                   |                          |          |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 42.4383621                  |                          |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 53                          |                          |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 29.3317089                  |                          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal           |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 10                          |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.720929e-008               |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                           |                          |          |
| Name                                               | Actual Value                | Expected Value           | Result   |
| CmMtrCurr_SCom_CalGain()                           | 20                          | 20                       | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 53                          | 53                       | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 29.3317089                  | 29.3317089               | <b>✓</b> |

| Took Ston Coll Trace                      |       |                                           |       |          |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|
| Test Step Call Trace                      |       |                                           |       | ~        |
| Actual Function                           | Count | Expected Function                         | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | •        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | <b>~</b> |
| Rte Read Sa CmMtrCurr VhSpdValid Cnt Igc  | 1     | Rte Read Sa CmMtrCurr VhSpdValid Cnt Igc  | 1     | <b>✓</b> |

| Test Step 2.36 (Repeat Count = 1)                  |                                          |               | <b>✓</b> |
|----------------------------------------------------|------------------------------------------|---------------|----------|
| Name                                               | Input Value                              |               |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                                        |               |          |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 5                                        |               |          |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 2.81969237                               |               |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1.22000003                               |               |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.97216618                               |               |          |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr                |               |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadp | S_f32_data    |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f3  | 2_data        |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt | :_lgc_data    |          |
| k_CurrGainNumerator_Amps_f32                       | 43.4224968                               |               |          |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 2.10008311                               |               |          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 53                                       |               |          |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 20                                       |               |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 115.94371                                |               |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 28.1946735                               |               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal                        |               |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 2                                        |               |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.720929e-008                            |               |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                                        |               |          |
| Name                                               | Actual Value E                           | xpected Value | Result   |
| CmMtrCurr_SCom_CalGain()                           | 20 20                                    | )             | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 115.94371                                | 15.94371      | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 28.1946735 28                            | 3.1946735     | ~        |

| Test Step Call Trace                      |       |                                           |       |        |  |  |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|--|--|
| Actual Function                           | Count | Expected Function                         | Count | Result |  |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |  |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | •      |  |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |  |  |



| Test Step 2.37 (Repeat Count = 1)                  |                             |                          | <b>✓</b> |
|----------------------------------------------------|-----------------------------|--------------------------|----------|
| Name                                               | Input Value                 |                          |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                           |                          |          |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 5                           |                          |          |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 3.2738421                   |                          |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 2.32999992                  |                          |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 2                           |                          |          |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr   |                          |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_I | MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_\ | VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_\ | VhSpdValid_Cnt_lgc_data  |          |
| k_CurrGainNumerator_Amps_f32                       | 14.832902                   |                          |          |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 9.5131588                   |                          |          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 115.790657                  |                          |          |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 125                         |                          |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 112.832649                  |                          |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 27.0576382                  |                          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal           |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 9.10000038                  |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.52092898e-008             |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                           |                          |          |
| Name                                               | Actual Value                | Expected Value           | Result   |
| CmMtrCurr_SCom_CalGain()                           | 20                          | 20                       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 112.832649                  | 112.832649               | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 27.0576382                  | 27.0576382               | <b>✓</b> |

| Test Step Call Trace                      |       |                                           |       |        |  |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|--|
| Actual Function                           | Count | Expected Function                         | Count | Result |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~      |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |  |

| Name                                               | Input Value                |                          |        |
|----------------------------------------------------|----------------------------|--------------------------|--------|
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                          |                          |        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 4.94060135                 |                          |        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 2.25965905                 |                          |        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 5                          |                          |        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.89822912                 |                          |        |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr  |                          |        |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_ | MtrVel_MtrRadpS_f32_data |        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_ | VehSpd_Kph_f32_data      |        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_ | VhSpdValid_Cnt_lgc_data  |        |
| k_CurrGainNumerator_Amps_f32                       | 56.0292397                 |                          |        |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 0.77640003                 |                          |        |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 85.7566376                 |                          |        |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 59.6098213                 |                          |        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 64.1647263                 |                          |        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 25.9206028                 |                          |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal          |                          |        |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 0                          |                          |        |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.92092902e-008            |                          |        |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                          |                          |        |
| Name                                               | Actual Value               | Expected Value           | Result |
| CmMtrCurr_SCom_CalGain()                           | 20                         | 20                       | •      |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 64.1647263                 | 64.1647263               | •      |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 25.9206028                 | 25.9206028               | •      |

| Test Step Call Trace                      |       |                                           |       |        |  |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|--|
| Actual Function                           | Count | Expected Function                         | Count | Result |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~      |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |  |



| Test Step 2.39 (Repeat Count = 1)                  |                            |                          | <b>✓</b> |
|----------------------------------------------------|----------------------------|--------------------------|----------|
| Name                                               | Input Value                |                          |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                          |                          |          |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 5                          |                          |          |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 2.81969237                 |                          |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1.22000003                 |                          |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.97216618                 |                          |          |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr  |                          |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_ | MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_ | VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_ | VhSpdValid_Cnt_lgc_data  |          |
| k_CurrGainNumerator_Amps_f32                       | 43.4224968                 |                          |          |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 2.10008311                 |                          |          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 53                         |                          |          |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 90                         |                          |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 115.94371                  |                          |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 28.1946735                 |                          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal          |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 2                          |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.720929e-008              |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                          |                          |          |
| Name                                               | Actual Value               | Expected Value           | Result   |
| CmMtrCurr_SCom_CalGain()                           | 20                         | 20                       | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 115.94371                  | 115.94371                | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 28.1946735                 | 28.1946735               | ~        |

| Test Step Call Trace                      |       |                                           |       |        |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|
| Actual Function                           | Count | Expected Function                         | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |

| Test Step 2.40 (Repeat Count = 1)                  |                             |                          |       |  |
|----------------------------------------------------|-----------------------------|--------------------------|-------|--|
| Name                                               | Input Value                 |                          |       |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                           |                          |       |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 5                           |                          |       |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 0.882408142                 |                          |       |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 3                           |                          |       |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 2.94972634                  |                          |       |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr   |                          |       |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_I | MtrVel_MtrRadpS_f32_data |       |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_  | VehSpd_Kph_f32_data      |       |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_  | VhSpdValid_Cnt_lgc_data  |       |  |
| k_CurrGainNumerator_Amps_f32                       | 14.9700756                  | 14.9700756               |       |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 12.8847237                  |                          |       |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 20                          |                          |       |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 66                          |                          |       |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 33.0467796                  |                          |       |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 24.7835674                  |                          |       |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal           |                          |       |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 12                          |                          |       |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.42092897e-008             |                          |       |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                           |                          |       |  |
| Name                                               | Actual Value                | Expected Value           | Resul |  |
| CmMtrCurr_SCom_CalGain()                           | 20                          | 20                       |       |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 33.0467796                  | 33.0467796               |       |  |
| tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32    | 24.7835674                  | 24.7835674               | •     |  |

| Test Step Call Trace                      |       |                                           |       |        |  |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|--|
| Actual Function                           | Count | Expected Function                         | Count | Result |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~      |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |  |



| Test Step 2.41 (Repeat Count = 1)                  |                             |                          | <b>✓</b> |
|----------------------------------------------------|-----------------------------|--------------------------|----------|
| Name                                               | Input Value                 |                          |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                           |                          |          |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 1.43475616                  |                          |          |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 4.39856052                  |                          |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 2.2471416                   |                          |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.48255146                  |                          |          |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr   |                          |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_N | /trVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_V | /ehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_V | /hSpdValid_Cnt_lgc_data  |          |
| k_CurrGainNumerator_Amps_f32                       | 44.1205254                  |                          |          |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 8.59965611                  |                          |          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 125                         |                          |          |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 59.6098213                  |                          |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 121.140739                  |                          |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 23.6465321                  |                          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal           |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 8                           |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.32092897e-008             |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                           |                          |          |
| Name                                               | Actual Value                | Expected Value           | Result   |
| CmMtrCurr_SCom_CalGain()                           | 20                          | 20                       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 121.140739                  | 121.140739               | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 23.6465321                  | 23.6465321               | <u> </u> |

| Test Step Call Trace                      |       |                                           |       |        |  |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|--|
| Actual Function                           | Count | Expected Function                         | Count | Result |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~      |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |  |

| Test Step 2.42 (Repeat Count = 1)                  |                                |                                                   | <b>✓</b> |  |  |
|----------------------------------------------------|--------------------------------|---------------------------------------------------|----------|--|--|
| Name                                               | Input Value                    |                                                   |          |  |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                              | 1                                                 |          |  |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 3.97674608                     |                                                   |          |  |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 1.3219049                      |                                                   |          |  |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 2.78702211                     |                                                   |          |  |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 3                              |                                                   |          |  |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr      |                                                   |          |  |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_MtrV | el_MtrRadpS_f32_data                              |          |  |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_Veh  | Spd_Kph_f32_data                                  |          |  |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_VhS  | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |          |  |  |
| k_CurrGainNumerator_Amps_f32                       | 51.0627899                     | 51.0627899                                        |          |  |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 16.4224472                     |                                                   |          |  |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 85.7566376                     |                                                   |          |  |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 86.3385773                     |                                                   |          |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 104.513512                     |                                                   |          |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 22.5094967                     |                                                   |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal              |                                                   |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 16                             |                                                   |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.82092901e-008                |                                                   |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                              |                                                   |          |  |  |
| Name                                               | Actual Value                   | Expected Value                                    | Result   |  |  |
| CmMtrCurr_SCom_CalGain()                           | 20                             | 20                                                | ~        |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 104.513512 104.513512          |                                                   |          |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 22.5094967                     | 22.5094967                                        | ~        |  |  |

| Test Step Call Trace                      |       |                                           |       |        |  |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|--|
| Actual Function                           | Count | Expected Function                         | Count | Result |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~      |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |  |

 $tgt\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32$ 

CmMtrCurr\_SCom\_CalGain



| Test Step 2.43 (Repeat Count = 1)                  |                                |                                                   | <b>✓</b> |  |
|----------------------------------------------------|--------------------------------|---------------------------------------------------|----------|--|
| Name                                               | Input Value                    | Input Value                                       |          |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 0                              | 0                                                 |          |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 3.30681849                     |                                                   |          |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 1.26103485                     |                                                   |          |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1.50823259                     |                                                   |          |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.98266852                     |                                                   |          |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr      |                                                   |          |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_Mtr\ | /el_MtrRadpS_f32_data                             |          |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_Veh  | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data     |          |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_VhS  | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |          |  |
| k_CurrGainNumerator_Amps_f32                       | 46.0540466                     |                                                   |          |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 16.4224472                     |                                                   |          |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 110                            |                                                   |          |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 25.7839298                     |                                                   |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 37.7828598                     |                                                   |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 80.8725357                     |                                                   |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal              |                                                   |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | -305.718506                    |                                                   |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 102.810776                     | 102.810776                                        |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                              |                                                   |          |  |
| Name                                               | Actual Value                   | Expected Value                                    | Result   |  |
| CmMtrCurr_SCom_CalGain()                           | 34                             | 34                                                | ~        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 37.7828598                     | 37.7828598                                        | ✓        |  |

| Test Step Call Trace                      |       |                                           |       | <b>✓</b> |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|
| Actual Function                           | Count | Expected Function                         | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~        |

80.8725357

80.8725357

| Name                                               | Input Value                 |                                                   |       |  |
|----------------------------------------------------|-----------------------------|---------------------------------------------------|-------|--|
| CmMtrCurr CurrentGainSvc Cnt M lgc                 | input value                 | 1                                                 |       |  |
|                                                    | 1 04000405                  |                                                   |       |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 4.94060135                  |                                                   |       |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 2.25965905                  |                                                   |       |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 3                           |                                                   |       |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.89822912                  |                                                   |       |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr   |                                                   |       |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_I | MtrVel_MtrRadpS_f32_data                          |       |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_\ | VehSpd_Kph_f32_data                               |       |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_\ | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |       |  |
| k_CurrGainNumerator_Amps_f32                       | 56.0292397                  | 56.0292397                                        |       |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 0.77640003                  |                                                   |       |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 85.7566376                  |                                                   |       |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 61                          |                                                   |       |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 64.1647263                  |                                                   |       |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 25.9206028                  |                                                   |       |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal           |                                                   |       |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 0                           |                                                   |       |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.92092902e-008             |                                                   |       |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                           |                                                   |       |  |
| Name                                               | Actual Value                | Expected Value                                    | Resul |  |
| CmMtrCurr_SCom_CalGain()                           | 20 20                       |                                                   |       |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 64.1647263                  |                                                   |       |  |
| tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32    | 25.9206028                  | 25.9206028                                        |       |  |

| Test Step Call Trace                      |       |                                           |       | <b>✓</b> |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|
| Actual Function                           | Count | Expected Function                         | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~        |

 $tgt\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32$ 

tgt\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32

CmMtrCurr\_SCom\_CalGain



Test Step 2.45 (Repeat Count = 1) Input Value Name  $CmMtrCurr\_CurrentGainSvc\_Cnt\_M\_lgc$ CmMtrCurr\_FiltMtrCurr1\_Volt\_M\_f32 5 CmMtrCurr\_FiltMtrCurr2\_Volt\_M\_f32 0.882408142 CmMtrCurr\_MtrCurr1OffsetZero\_Volt\_M\_f32 5  $CmMtrCurr\_MtrCurr2OffsetZero\_Volt\_M\_f32$ 2.94972634 Rte\_Inst\_Sa\_CmMtrCurr tgt\_Rte\_Inst\_Sa\_CmMtrCurr Rte\_Read\_Sa\_CmMtrCurr\_MtrVel\_MtrRadpS\_f32(data) tgt\_Rte\_Read\_Sa\_CmMtrCurr\_MtrVel\_MtrRadpS\_f32\_data Rte\_Read\_Sa\_CmMtrCurr\_VehSpd\_Kph\_f32(data) tgt\_Rte\_Read\_Sa\_CmMtrCurr\_VehSpd\_Kph\_f32\_data Rte\_Read\_Sa\_CmMtrCurr\_VhSpdValid\_Cnt\_lgc(data) tgt\_Rte\_Read\_Sa\_CmMtrCurr\_VhSpdValid\_Cnt\_lgc\_data  $k\_CurrGainNumerator\_Amps\_f32$ 14.9700756 12.8847237 k MaxCurrOffMtrVel RadpS f32  $k\_MtrCurrEOLMaxGain\_AmpspVolts\_f32$ 20 k MtrCurrEOLMinGain AmpspVolts f32 66  $tgt\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32$ 33.0467796 tgt\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32 24.7835674  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_ShCurrCal$ tgt\_Pim\_ShCurrCal  $tgt\_Rte\_Read\_Sa\_CmMtrCurr\_MtrVel\_MtrRadpS\_f32\_data$ 1.42092897e-008  $tgt\_Rte\_Read\_Sa\_CmMtrCurr\_VehSpd\_Kph\_f32\_data$  $tgt\_Rte\_Read\_Sa\_CmMtrCurr\_VhSpdValid\_Cnt\_lgc\_data$ **Actual Value Expected Value** Result CmMtrCurr\_SCom\_CalGain() 21 21

| Test Step Call Trace                      |       |                                           |       | V        |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|
| Actual Function                           | Count | Expected Function                         | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~        |
| Rte Read Sa CmMtrCurr VhSpdValid Cnt Igc  | 1     | Rte Read Sa CmMtrCurr VhSpdValid Cnt Igc  | 1     | <b>✓</b> |

33.0467796

24.7835674

33.0467796

24.7835674





#### **Test Case 3: Path Test**

```
TS3.1"( (Abs_f32_m(MtrVel_MtrRadpS_T_f32) < k_MaxCurrOffMtrVel_RadpS_f32) && (ProductionMode != Mec_Cnt_T_enum) )=False"
TS3.2"( (Abs_f32_m(MtrVel_MtrRadpS_T_f32) < k_MaxCurrOffMtrVel_RadpS_f32) && (ProductionMode != Mec_Cnt_T_enum) )=True
(VehSpd_Kph_T_f32 < FLT_EPSILON) )=True
(VehSpd_Kph_T_f32 < FLT_EPSILON) )=True
(VehSpd_Kph_T_f32 < FL_T_EPSILON) )=True
((MtrCurr2Gain_AmpspVolt_T_f32 < k_MtrCurrEOLMinGain_AmpspVolts_f32) && (MtrCurr1Gain_AmpspVolts_f32) && (MtrCurr1Gain_AmpspVolts_f32) && (MtrCurr1Gain_AmpspVolt_f, f32 > k_MtrCurrEOLMinGain_AmpspVolts_f32) && (MtrCurr1Gain_AmpspVolt_f, f32 > k_MtrCurrEOLMinGain_AmpspVolts_f32) )=True"
TS3.3"(VehSpd_Kph_T_f32 < FL_T_EPSILON) )=False
TS3.4"((MtrCurr2Gain_AmpspVolt_f, f32 > k_MtrCurrEOLMinGain_AmpspVolts_f32) ==>true&& (MtrCurr1Gain_AmpspVolt_f, f32 > k_MtrCurrEOLMinGain_AmpspVolts_f32) ==>False&& (ProductionMode != Mec_Cnt_T_enum)=False )"
TS3.5"((Abs_f32_m(MtrVel_MtrRadpS_T_f32) < k_MaxCurrOffMtrVel_RadpS_f32)==>True && (CmMtrCurr_CurrentGainSvc_Cnt_M_lgc == TRUE)==>False)==>False
TS3.7"(if (VehSpd_Kph_T_f32 < FLT_EPSILON)==>True && (MtrCurr2Gain_AmpspVolt_f, f32) ==>False
TS3.7"(if (VehSpd_Kph_T_f32 < FLT_EPSILON)==>False
TS3.8"((MtrCurr2Gain_AmpspVolt_f, f32 > k_MtrCurrEOLMinGain_AmpspVolts_f32)=>>False && (MtrCurr1Gain_AmpspVolt_f, f32 > k_MtrCurrEOLMinGain_AmpspVolts_f32) ==>True && (MtrCurr2Gain_AmpspVolt_f, f32 > k_MtrCurrEOLMinGain_AmpspVolts_f32) && (MtrCurr1Gain_AmpspVolt_f, f32 > k_MtrCurrEOLMinGain_AmpspVolts_f32) ==>True && (MtrCurr2Gain_AmpspVolt_f, f32 > k_MtrCurrEOLMinGain_AmpspVolts_f32) ==>True && (MtrCurr2Gain_AmpspVolt_f, f32 > k_MtrCurrEOLMinGain_AmpspVolts_f32) ==>True && (MtrCurr2Gain_AmpspVolt_f, f32 > k_MtrCurrEOLMinGain_AmpspVolts_f32) ==>True && (MtrCurr1Gain_AmpspVolt_f, f32 > k_MtrCurrEOLMinGai
```

| Test Step 3.1 (Repeat Count = 1)                   |                           |                                                   | _ <b>~</b> |  |  |
|----------------------------------------------------|---------------------------|---------------------------------------------------|------------|--|--|
| Name                                               | Input Value               |                                                   |            |  |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 0                         | 0                                                 |            |  |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 0                         | 0                                                 |            |  |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 0                         |                                                   |            |  |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1                         |                                                   |            |  |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1                         |                                                   |            |  |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr |                                                   |            |  |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr | _MtrVel_MtrRadpS_f32_data                         |            |  |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr | _VehSpd_Kph_f32_data                              |            |  |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |            |  |  |
| k_CurrGainNumerator_Amps_f32                       | 10                        | 10                                                |            |  |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | -20                       |                                                   |            |  |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 20                        |                                                   |            |  |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 20                        |                                                   |            |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 20                        |                                                   |            |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 20                        |                                                   |            |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal         |                                                   |            |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | -1118                     |                                                   |            |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 0                         |                                                   |            |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                         |                                                   |            |  |  |
| Name                                               | Actual Value              | Expected Value                                    | Result     |  |  |
| CmMtrCurr_SCom_CalGain()                           | 34                        | 34                                                | <b>✓</b>   |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 20                        | 20                                                | <b>✓</b>   |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 20                        | 20                                                |            |  |  |



| Test Step Call Trace                      |       |                                           |       | V      |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|
| Actual Function                           | Count | Expected Function                         | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | -      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | -      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | -      |

| Test Step 3.2 (Repeat Count = 1)                   |                                                   |                | ✓      |
|----------------------------------------------------|---------------------------------------------------|----------------|--------|
| Name                                               | Input Value                                       |                |        |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                                                 |                |        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 1.94878829                                        |                |        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 0.354222178                                       |                |        |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 3                                                 |                |        |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.81953025                                        |                |        |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr                         |                |        |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrR             | adpS_f32_data  |        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kp               | n_f32_data     |        |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |                |        |
| k_CurrGainNumerator_Amps_f32                       | 68.7071075                                        |                |        |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 13.807971                                         |                |        |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 69.4691772                                        |                |        |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 43                                                |                |        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 103.155792                                        |                |        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 41.77005                                          |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal                                 |                |        |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 12                                                |                |        |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.92092902e-008                                   |                |        |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                                                 |                |        |
| Name                                               | Actual Value                                      | Expected Value | Result |
| CmMtrCurr_SCom_CalGain()                           | 0                                                 | 0              | ~      |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 65.3599167                                        | 65.3599167     | •      |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 46.8891907                                        | 46.8891945     | ~      |

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | •      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | ~      |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | ~      |

| Test Step 3.3 (Repeat Count = 1)                   |                            |                                                   | <b>✓</b> |  |  |
|----------------------------------------------------|----------------------------|---------------------------------------------------|----------|--|--|
| Name                                               | Input Value                |                                                   |          |  |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                          | 1                                                 |          |  |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 1.46488023                 |                                                   |          |  |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 0.315663815                |                                                   |          |  |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1.05782449                 |                                                   |          |  |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 3                          |                                                   |          |  |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr  |                                                   |          |  |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_ | MtrVel_MtrRadpS_f32_data                          |          |  |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_ | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data     |          |  |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_ | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |          |  |  |
| k_CurrGainNumerator_Amps_f32                       | 73.1418304                 | 73.1418304                                        |          |  |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 5.8294816                  |                                                   |          |  |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 109.092964                 |                                                   |          |  |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 92.6149826                 |                                                   |          |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 64.1647263                 |                                                   |          |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 31                         |                                                   |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal          |                                                   |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 5                          |                                                   |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 255                        |                                                   |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                          |                                                   |          |  |  |
| Name                                               | Actual Value               | Expected Value                                    | Result   |  |  |
| CmMtrCurr_SCom_CalGain()                           | 21 21                      |                                                   |          |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 64.1647263 64.1647263      |                                                   |          |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 31                         | 31                                                | ~        |  |  |



| Test Step Call Trace                      |       |                                           |       | ~      |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|
| Actual Function                           | Count | Expected Function                         | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |

| Test Step 3.4 (Repeat Count = 1)                   |                                                    |                                                   |  |  |
|----------------------------------------------------|----------------------------------------------------|---------------------------------------------------|--|--|
| Name                                               | Input Value                                        |                                                   |  |  |
| CmMtrCurr CurrentGainSvc Cnt M lgc                 | 1                                                  |                                                   |  |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 5                                                  |                                                   |  |  |
| CmMtrCurr FiltMtrCurr2 Volt M f32                  | 2.44428372                                         |                                                   |  |  |
| CmMtrCurr MtrCurr1OffsetZero Volt M f32            | 1                                                  |                                                   |  |  |
| CmMtrCurr MtrCurr2OffsetZero Volt M f32            | 3                                                  |                                                   |  |  |
| Rte Inst Sa CmMtrCurr                              | tgt Rte Inst Sa CmMtrCurr                          |                                                   |  |  |
| Rte Read Sa CmMtrCurr MtrVel MtrRadpS f32(data)    | tgt Rte Read Sa CmMtrCurr MtrVel MtrRadpS f32 data |                                                   |  |  |
| Rte Read Sa CmMtrCurr VehSpd Kph f32(data)         | tgt Rte Read Sa CmMtrCurr VehSpd Kph f32 data      |                                                   |  |  |
| , _ ,                                              |                                                    |                                                   |  |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | 69.2344742                                         | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |  |  |
| k_CurrGainNumerator_Amps_f32                       |                                                    |                                                   |  |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 15.1930275                                         |                                                   |  |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 |                                                    | 89.7380981                                        |  |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 99.2575531                                         |                                                   |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 100.245132                                         |                                                   |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 20                                                 |                                                   |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal                                  |                                                   |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 15                                                 |                                                   |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.82092901e-008                                    |                                                   |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                                                  |                                                   |  |  |
| Name                                               | Actual Value Expected Value                        | Result                                            |  |  |
| CmMtrCurr_SCom_CalGain()                           | 20 20                                              | <b>✓</b>                                          |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 100.245132 100.245132                              | <b>✓</b>                                          |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 20 20                                              | <b>✓</b>                                          |  |  |

| Test Step Call Trace                      |       |                                           |       |          |  |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|--|
| Actual Function                           | Count | Expected Function                         | Count | Result   |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~        |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | <b>✓</b> |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | <b>✓</b> |  |

| Test Step 3.5 (Repeat Count = 1)                   |                              |                                                   | ✓        |  |
|----------------------------------------------------|------------------------------|---------------------------------------------------|----------|--|
| Name                                               | Input Value                  |                                                   |          |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                            | 1                                                 |          |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 1.94878829                   |                                                   |          |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 0.354222178                  |                                                   |          |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 3                            |                                                   |          |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.81953025                   |                                                   |          |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr    |                                                   |          |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_Mt | rVel_MtrRadpS_f32_data                            |          |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_Ve | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data     |          |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_Vh | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |          |  |
| k_CurrGainNumerator_Amps_f32                       | 68.7071075                   | 68.7071075                                        |          |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 13.807971                    | 13.807971                                         |          |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 69.4691772                   |                                                   |          |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 43                           |                                                   |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 103.155792                   |                                                   |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 41.77005                     |                                                   |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal            |                                                   |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 12                           |                                                   |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.92092902e-008              |                                                   |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                            |                                                   |          |  |
| Name                                               | Actual Value                 | Expected Value                                    | Result   |  |
| CmMtrCurr_SCom_CalGain()                           | 0                            | 0                                                 | <b>*</b> |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 65.3599167                   | 65.3599167                                        | <b>✓</b> |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 46.8891907                   | 46.8891945                                        | <b>✓</b> |  |



| T (0) 0 "T                                    |       |                                               |       |          |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Test Step Call Trace                          |       |                                               |       | ✓        |
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32     | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32          | 1     | <b>✓</b> |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc      | 1     | ~        |
| Rte Call Sa CmMtrCurr EOLShCurrCal WriteBlock | 1     | Rte Call Sa CmMtrCurr EOLShCurrCal WriteBlock | 1     | <b>✓</b> |

| Test Step 3.6 (Repeat Count = 1)                   |                            |                                                   | <b>✓</b> |  |  |
|----------------------------------------------------|----------------------------|---------------------------------------------------|----------|--|--|
| Name                                               | Input Value                |                                                   |          |  |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 0                          | 0                                                 |          |  |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 1.46488023                 |                                                   |          |  |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 0.315663815                |                                                   |          |  |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1.05782449                 |                                                   |          |  |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 3                          |                                                   |          |  |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr  |                                                   |          |  |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_ | _MtrVel_MtrRadpS_f32_data                         |          |  |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_ | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data     |          |  |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_ | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |          |  |  |
| k_CurrGainNumerator_Amps_f32                       | 73.1418304                 | 73.1418304                                        |          |  |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 5.8294816                  | 5.8294816                                         |          |  |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 109.092964                 | 109.092964                                        |          |  |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 92.6149826                 | 92.6149826                                        |          |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 64.1647263                 | 64.1647263                                        |          |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 31                         | 31                                                |          |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal          |                                                   |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 5                          |                                                   |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 255                        |                                                   |          |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 0                          |                                                   |          |  |  |
| Name                                               | Actual Value               | Expected Value                                    | Result   |  |  |
| CmMtrCurr_SCom_CalGain()                           | 34                         | 34                                                | ✓        |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 64.1647263                 | 64.1647263                                        | <b>✓</b> |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 31                         | 31                                                | <b>✓</b> |  |  |

| Test Step Call Trace                      |       |                                           |       |        |  |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|--|
| Actual Function                           | Count | Expected Function                         | Count | Result |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | ~      |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | •      |  |

| Test Step 3.7 (Repeat Count = 1)                   |                            |                                                   |        |  |
|----------------------------------------------------|----------------------------|---------------------------------------------------|--------|--|
| Name                                               | Input Value                |                                                   |        |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                          |                                                   |        |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 5                          |                                                   |        |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 0.882408142                |                                                   |        |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 3                          |                                                   |        |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 2.94972634                 |                                                   |        |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr  |                                                   |        |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_ | MtrVel_MtrRadpS_f32_data                          |        |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_ | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data     |        |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_ | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |        |  |
| k_CurrGainNumerator_Amps_f32                       | 14.9700756                 | 14.9700756                                        |        |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 12.8847237                 | 12.8847237                                        |        |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 20                         | 20                                                |        |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 66                         | 66                                                |        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 33.0467796                 | 33.0467796                                        |        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 24.7835674                 |                                                   |        |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal          |                                                   |        |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 12                         |                                                   |        |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.42092897e-008            |                                                   |        |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 0                          |                                                   |        |  |
| Name                                               | Actual Value               | Expected Value                                    | Result |  |
| CmMtrCurr_SCom_CalGain()                           | 21                         | 21                                                | •      |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 33.0467796                 | 33.0467796                                        | •      |  |
| tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32    | 24.7835674                 | 24.7835674                                        |        |  |



| Test Step Call Trace                      |       |                                           |       | V      |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|
| Actual Function                           | Count | Expected Function                         | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | -      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | -      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | -      |

| Test Step 3.8 (Repeat Count = 1)                   |                                                   |                | ✓        |  |
|----------------------------------------------------|---------------------------------------------------|----------------|----------|--|
| Name                                               | Input Value                                       |                |          |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                                                 | 1              |          |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 4.31525755                                        |                |          |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 1.4392966                                         |                |          |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 3                                                 |                |          |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 3                                                 |                |          |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr                         |                |          |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrF             | RadpS_f32_data |          |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data     |                |          |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |                |          |  |
| k_CurrGainNumerator_Amps_f32                       | 65.5278931                                        |                |          |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 3.73730636                                        |                |          |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 55.389286                                         |                |          |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 66.9764252                                        |                |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 112.832649                                        |                |          |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 125                                               |                |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal                                 |                |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 3                                                 |                |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 0                                                 |                |          |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                                                 |                |          |  |
| Name                                               | Actual Value                                      | Expected Value | Result   |  |
| CmMtrCurr_SCom_CalGain()                           | 20                                                | 20             | ~        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 112.832649                                        | 112.832649     | <b>✓</b> |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 125                                               | 125            | ~        |  |

| Actual Function                           | Count | Expected Function                         | Count | Result   |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | <b>~</b> |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | <b>~</b> |

| Test Step 3.9 (Repeat Count = 1)                   |                             |                                                   | •     |  |  |
|----------------------------------------------------|-----------------------------|---------------------------------------------------|-------|--|--|
| Name                                               | Input Value                 |                                                   |       |  |  |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                           |                                                   |       |  |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 0.798796892                 |                                                   |       |  |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 4.88477182                  |                                                   |       |  |  |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 3                           |                                                   |       |  |  |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 3                           |                                                   |       |  |  |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr   |                                                   |       |  |  |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_M | ftrVel_MtrRadpS_f32_data                          |       |  |  |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_V | ehSpd_Kph_f32_data                                |       |  |  |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_V | tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data |       |  |  |
| k_CurrGainNumerator_Amps_f32                       | 87.710968                   | 87.710968                                         |       |  |  |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 10.6504936                  |                                                   |       |  |  |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 71.788269                   | 71.788269                                         |       |  |  |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 42.4383621                  | 42.4383621                                        |       |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 53                          | 53                                                |       |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 29.3317089                  |                                                   |       |  |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal           |                                                   |       |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 10                          |                                                   |       |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.720929e-008               |                                                   |       |  |  |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                           |                                                   |       |  |  |
| Name                                               | Actual Value                | Expected Value                                    | Resul |  |  |
| CmMtrCurr_SCom_CalGain()                           | 20                          | 20                                                | •     |  |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 53                          | 53                                                | •     |  |  |
| tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32    | 29.3317089                  | 29.3317089                                        | •     |  |  |



| Test Step Call Trace                      |       |                                           |       | V      |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|
| Actual Function                           | Count | Expected Function                         | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | -      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | -      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | -      |

| Test Step 3.10 (Repeat Count = 1)                  |                               |                       | <b>✓</b> |
|----------------------------------------------------|-------------------------------|-----------------------|----------|
| Name                                               | Input Value                   |                       |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                             |                       |          |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 0.390951276                   |                       |          |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 3.6404748                     |                       |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 1.14026868                    |                       |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.44701993                    |                       |          |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr     |                       |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_Mtr | Vel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_Vel | hSpd_Kph_f32_data     |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_Vh  | SpdValid_Cnt_lgc_data |          |
| k_CurrGainNumerator_Amps_f32                       | 100                           |                       |          |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 13                            |                       |          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 102.015366                    |                       |          |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 30.4687443                    |                       |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 62.5700874                    |                       |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 66.9764252                    |                       |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal             |                       |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 12                            |                       |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.82092901e-008               |                       |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                             |                       |          |
| Name                                               | Actual Value                  | Expected Value        | Result   |
| CmMtrCurr_SCom_CalGain()                           | 20                            | 20                    | ✓        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 62.5700874                    | 62.5700874            | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 66.9764252                    | 66.9764252            |          |

| Test Step Call Trace                      |       |                                           | ✓     |        |
|-------------------------------------------|-------|-------------------------------------------|-------|--------|
| Actual Function                           | Count | Expected Function                         | Count | Result |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~      |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | •      |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc  | 1     | ~      |

| Test Step 3.11 (Repeat Count = 1)                  |                            |                          | <b>✓</b> |
|----------------------------------------------------|----------------------------|--------------------------|----------|
| Name                                               | Input Value                |                          |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                          |                          |          |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 1.94878829                 |                          |          |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 0                          |                          |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 3                          |                          |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 0                          |                          |          |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr  |                          |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_ | MtrVel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_ | VehSpd_Kph_f32_data      |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_ | VhSpdValid_Cnt_lgc_data  |          |
| k_CurrGainNumerator_Amps_f32                       | 68.7071075                 |                          |          |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 13.807971                  |                          |          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 50                         | 50                       |          |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 30                         | 30                       |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 103.155792                 | 103.155792               |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 41.77005                   |                          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal          |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 12                         |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.92092902e-008            |                          |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                          | 1                        |          |
| Name                                               | Actual Value               | Expected Value           | Result   |
| CmMtrCurr_SCom_CalGain()                           | 20                         | 20                       | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 103.155792                 | 103.155792               | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 41.77005                   | 41.77005                 | ~        |

CmMtrCurr\_SCom\_CalGain

2016-07-24, 12:43:14+0530



| Test Step Call Trace                         |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       | <b>✓</b> |
|----------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|
| Actual Function                              | Count | Expected Function                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32    | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32         | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1     | ~        |
| Die Deed On Orahitation Wilder Welld Out Inc | 4     | Dts Dand On Oral March 11 Vision No. 11 Visi | 4     |          |

| Test Step 3.12 (Repeat Count = 1)                  |                                             |                       | <b>✓</b> |
|----------------------------------------------------|---------------------------------------------|-----------------------|----------|
| Name                                               | Input Value                                 |                       |          |
| CmMtrCurr_CurrentGainSvc_Cnt_M_lgc                 | 1                                           |                       |          |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                  | 0                                           |                       |          |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                  | 0.354222178                                 |                       |          |
| CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32            | 0                                           |                       |          |
| CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32            | 1.81953025                                  |                       |          |
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr                   |                       |          |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)    | tgt_Rte_Read_Sa_CmMtrCurr_Mtr               | Vel_MtrRadpS_f32_data |          |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)         | tgt_Rte_Read_Sa_CmMtrCurr_Vel               | nSpd_Kph_f32_data     |          |
| Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)     | tgt_Rte_Read_Sa_CmMtrCurr_Vh                | SpdValid_Cnt_lgc_data |          |
| k_CurrGainNumerator_Amps_f32                       | 68.7071075                                  |                       |          |
| k_MaxCurrOffMtrVel_RadpS_f32                       | 13.807971                                   | 13.807971             |          |
| k_MtrCurrEOLMaxGain_AmpspVolts_f32                 | 50                                          |                       |          |
| k_MtrCurrEOLMinGain_AmpspVolts_f32                 | 30                                          |                       |          |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 103.155792                                  |                       |          |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 41.77005                                    |                       |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal                           |                       |          |
| tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data | 12                                          |                       |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data      | 1.92092902e-008                             |                       |          |
| tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data  | 1                                           |                       |          |
| Name                                               | Actual Value                                | Expected Value        | Result   |
| CmMtrCurr_SCom_CalGain()                           | 20                                          | 20                    | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 |                       | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 41.77005                                    | 41.77005              |          |

| Test Step Call Trace                      |       |                                           |       | V        |
|-------------------------------------------|-------|-------------------------------------------|-------|----------|
| Actual Function                           | Count | Expected Function                         | Count | Result   |
| Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32 | 1     | ~        |
| Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32      | 1     | <b>✓</b> |
| Rte Read Sa CmMtrCurr VhSpdValid Cnt Igc  | 1     | Rte Read Sa CmMtrCurr VhSpdValid Cnt lgc  | 1     | <b>✓</b> |

2016-07-24, 12:47:26+0530



CmMtrCurr\_SCom\_SetMtrCurrCals

Project CmMtrCurr1

 Module
 CmMtrCurr\_MTRCURRPHASEAC\_ON

 Test Object
 CmMtrCurr\_SCom\_SetMtrCurrCals

## Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|-------------------------|-------|
| Branch (C1) Coverage    | 100 % |

### **Statistics**

| Total Testcases | 1 |   |
|-----------------|---|---|
| Successful      | 1 | ✓ |
| Failed          | 0 |   |
| Not Executed    | 0 |   |

### **Module Properties**

| Project Root Directory | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP                                                                                                                                                                                                                                                                               |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Configuration File     | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config \TMS570_GCC_UDE_CCS4_Config.xml                                                                                                                                                                                                                            |
| Target Environment     | TI TMS 570 PLS UDE (Default)                                                                                                                                                                                                                                                                                                   |
| Kind of Test           | Unit Test                                                                                                                                                                                                                                                                                                                      |
| Linker Options         |                                                                                                                                                                                                                                                                                                                                |
| Source File(s)         |                                                                                                                                                                                                                                                                                                                                |
| File                   | \$(PROJECTROOT)\CmMtrCurr\src\Sa_CmMtrCurr.c                                                                                                                                                                                                                                                                                   |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include                                  |
| File                   | \$(PROJECTROOT)\NxtrLib\src\interpolation.c                                                                                                                                                                                                                                                                                    |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include |

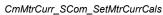
| lame                                  | Text                                   |
|---------------------------------------|----------------------------------------|
| Module<br>CmMtrCurr_MTRCURRPHASEAC_ON | ************************************** |

| Attributes            |                                                                      |
|-----------------------|----------------------------------------------------------------------|
| Name                  | Value                                                                |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5 |
| Float Precision       | 9                                                                    |

2016-07-24, 12:47:26+0530



| Attributes          |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| Name                | Value                                                                                    |
| InitObjDir          | \$(PROJECTROOT)\UnitTestEnv\static_build_files\obj                                       |
| InitSrcDir          | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                                       |
| Linker File         | <pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>                   |
| Makefile Template   | <pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_Ps.tpl</pre>       |
| Target Install Path | <pre>\$(ProgramFiles)\pls\UDE 4.4</pre>                                                  |
| Time Unit           | cycles                                                                                   |
| Timer Enabled       | false                                                                                    |
| Timer Prescale      | 0                                                                                        |
| Timer Resolution    | 1                                                                                        |
| UDE Config File     | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                             |
| Workspace File      | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |





### **Test Case 1: Range Test**

#### Specification

Performance Metrics : [With "None" Instrumentation and WithPS Environment]

CPU Cycles:

494.00 Cycles TS1.2 TS1.3 TS1.4 TS1.5 TS1.6 TS1.7 TS1.10 TS1.11 TS1.11 TS1.12 TS1.13 TS1.14 TS1.15 TS1.16 TS1.17 494.00 Cycles 494.00 Cycles 494.00 Cycles 494.00 Cycles TS1.19 TS1.20 TS1.21 TS1.22 494.00 Cycles 494.00 Cycles 494.00 Cycles 494.00 Cycles TS1.23 494.00 Cycles

#### Description

#### VECTOR DESCRIPTION:

TS1.1 All Min

TS1.2 All Max

ShCurrCalPtr1.EOLMtrCurrVcalCmd\_VoltCnts\_f32==>Min ShCurrCalPtr1.EOLMtrCurrVcalCmd\_VoltCnts\_f32==>Max TS1.3 TS1.5 ShCurrCalPtr1.EOLMtrCurrVcalCmd\_VoltCnts\_f32==>Pos
TS1.6 ShCurrCalPtr1.EOLMtrCurr1OffsetLo\_Volts\_f32==>Min
TS1.7 ShCurrCalPtr1.EOLMtrCurr1OffsetLo\_Volts\_f32==>Max TS1.8 ShCurrCalPtr1.EOLMtrCurr1OffsetLo\_Volts\_f32==>Pos
TS1.9 ShCurrCalPtr1.EOLPhscurr1Gain\_AmpspVolt\_f32==>Min TS1.9 ShCurrCalPtr1.EOLPhscurr1Gain\_AmpspVolt\_f32==>Min TS1.10 ShCurrCalPtr1.EOLPhscurr1Gain\_AmpspVolt\_f32==>Max TS1.11 ShCurrCalPtr1.EOLPhscurr1Gain\_AmpspVolt\_f32==>Max TS1.12 ShCurrCalPtr1.EOLPhscurr2Gain\_AmpspVolt\_f32==>Min TS1.13 ShCurrCalPtr1.EOLPhscurr2Gain\_AmpspVolt\_f32==>Max TS1.14 ShCurrCalPtr1.EOLPhscurr2Gain\_AmpspVolt\_f32==>Max TS1.14 ShCurrCalPtr1.EOLPhscurr2Gain\_AmpspVolt\_f32==>Max TS1.15 ShCurrCalPtr1.EOLMtrCurr2OffsetLo\_Volts\_f32==>Min TS1.16 ShCurrCalPtr1.EOLMtrCurr2OffsetLo\_Volts\_f32==>Max TS1.17 ShCurrCalPtr1.EOLMtrCurr2OffsetLo\_Volts\_f32== TS1.16 ShCurrCalPtr1.EOLMtrCurr2OffsetLo\_Volts\_132==>Max
TS1.17 ShCurrCalPtr1.EOLMtrCurr2OffsetLo\_Volts\_132==>Pos
TS1.18 ShCurrCalPtr1.EOLMtrCurr1OffsetDiff\_Volts\_132==>Min
TS1.19 ShCurrCalPtr1.EOLMtrCurr1OffsetDiff\_Volts\_132==>Max
TS1.20 ShCurrCalPtr1.EOLMtrCurr2OffsetDiff\_Volts\_132==>Min
TS1.21 ShCurrCalPtr1.EOLMtrCurr2OffsetDiff\_Volts\_132==>Min
TS1.22 ShCurrCalPtr1.EOLMtrCurr2OffsetDiff\_Volts\_132==>Max
TS1.23 ShCurrCalPtr1.EOLMtrCurr2OffsetDiff\_Volts\_132==>Max

TS1.23 ShCurrCalPtr1.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos

| Test Step 1.1 (Repeat Count = 1)                  |                           |                | <b>✓</b> |
|---------------------------------------------------|---------------------------|----------------|----------|
| Name                                              | Input Value               |                |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                |          |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 0                         |                |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 1                         |                |          |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 20                        |                |          |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 20                        |                |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 1                         |                |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 1                         |                |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 1                         |                |          |
| Name                                              | Actual Value              | Expected Value | Result   |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 0                         | 0 ± 0.004      | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1                         | 1 ± 0.0003     | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 20                        | 20 ± 0.002     | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 20                        | 20 ± 0.002     | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1                         | 1 ± 0.0003     | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1                         | 1 ± 0.0003     | <b>✓</b> |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 | 1                         | 1 ± 0.0003     | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |        |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|--|
| Actual Function                               | Count | Expected Function                             | Count | Result |  |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | ~      |  |

 $tgt\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32$ 

CmMtrCurr\_SCom\_SetMtrCurrCals



| Test Step 1.2 (Repeat Count = 1)                  |                           |                | ×        |
|---------------------------------------------------|---------------------------|----------------|----------|
| Name                                              | Input Value               |                |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                |          |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 80000                     |                |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 3                         |                |          |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 125                       |                |          |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 125                       |                |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 3                         |                |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 3                         |                |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 3                         |                |          |
| Name                                              | Actual Value              | Expected Value | Result   |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 80000                     | 80000 ± 0.004  | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3                         | 3 ± 0.0003     | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 125                       | 125 ± 0.002    | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 125                       | 125 ± 0.002    | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                         | 3 ± 0.0003     | ~        |
|                                                   |                           |                |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                         | 3 ± 0.0003     | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | ~      |

3 ± 0.0003

3

| Test Step 1.3 (Repeat Count = 1)                  |                           |                      |          |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Name                                              | Input Value               |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 0                         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 3                         |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 47.09868979               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 41.77004862               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 2.407941222               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 3                         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 2.600753427               |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 0                         | 0 ± 0.004            | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3                         | 3 ± 0.0003           | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 47.09869                  | 47.09868979 ± 0.002  | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 41.77005                  | 41.77004862 ± 0.002  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.4079411                 | 2.407941222 ± 0.0003 | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                         | 3 ± 0.0003           | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.60075355                | 2.600753427 ± 0.0003 | ~        |

| Test Step Call Trace                          |       |                                               |       |        |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|--|
| Actual Function                               | Count | Expected Function                             | Count | Result |  |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | ~      |  |

| Name                                             | Input Value               |                  |
|--------------------------------------------------|---------------------------|------------------|
| Rte_Inst_Sa_CmMtrCurr                            | tgt_Rte_Inst_Sa_CmMtrCurr |                  |
| ShCurrCalPtr                                     | tgt_ShCurrCalPtr          |                  |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal          | tgt_Pim_ShCurrCal         |                  |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32  | 80000                     |                  |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32   | 3                         |                  |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32   | 112.4917227               |                  |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32   | 66.97642553               |                  |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32   | 2.001583517               |                  |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.241427958               |                  |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                         |                  |
| Name                                             | Actual Value Expe         | ected Value Resu |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 | 80000 80000               | 0 ± 0.004        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  | 3 3 ± 0.0                 | 0003             |
| tgt Pim ShCurrCal.EOLPhscurr1Gain AmpspVolt f32  | 112.491722 112.49         | 917227 ± 0.002   |

2016-07-24, 12:47:26+0530



| Name                                              | Actual Value | Evenested Value      | Desuit |
|---------------------------------------------------|--------------|----------------------|--------|
| Name                                              | Actual value | Expected Value       | Result |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 66.9764252   | 66.97642553 ± 0.002  | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.00158358   | 2.001583517 ± 0.0003 | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.2414279    | 1.241427958 ± 0.0003 | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003           | ~      |

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | ~      |

| Test Step 1.5 (Repeat Count = 1)                  |                           |                      | <b>✓</b> |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Name                                              | Input Value               |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 18534.5                   |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 1.057824492               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 102.8154316               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 92.61498523               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 3                         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 1.678064227               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 1.188937664               |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 18534.5                   | 18534.5 ± 0.004      | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.05782449                | 1.057824492 ± 0.0003 | <b>~</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 102.81543                 | 102.8154316 ± 0.002  | -        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 92.6149826                | 92.61498523 ± 0.002  | -        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                         | 3 ± 0.0003           | -        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.67806423                | 1.678064227 ± 0.0003 | <b>~</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.18893766                | 1.188937664 ± 0.0003 | ~        |

| Test Step Call Trace                          |       |                                               |       |        |  |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|--|
| Actual Function                               | Count | Expected Function                             | Count | Result |  |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | ~      |  |

| Name                                              | Input Value               |                      |          |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 62431.30998               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 1                         |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 69.21088207               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 49.80123484               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 3                         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 1.148734033               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 3                         |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 62431.3086                | 62431.30998 ± 0.004  | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1                         | 1 ± 0.0003           | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 69.2108841                | 69.21088207 ± 0.002  | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 49.8012352                | 49.80123484 ± 0.002  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                         | 3 ± 0.0003           | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.14873397                | 1.148734033 ± 0.0003 | ~        |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 | 3                         | 3 ± 0.0003           | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | ~        |

| Test Step 1.7 (Repeat Count = 1) | ✓                         |
|----------------------------------|---------------------------|
| Name                             | Input Value               |
| Rte_Inst_Sa_CmMtrCurr            | tgt_Rte_Inst_Sa_CmMtrCurr |
| ShCurrCalPtr                     | tgt_ShCurrCalPtr          |

2016-07-24, 12:47:26+0530



| Name                                              | Input Value       |                      |        |
|---------------------------------------------------|-------------------|----------------------|--------|
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal |                      |        |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 2936.428535       |                      |        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 3                 |                      |        |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 33.2997992        |                      |        |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 122.3116999       |                      |        |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 3                 |                      |        |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 1.707488775       |                      |        |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 3                 |                      |        |
| Name                                              | Actual Value      | Expected Value       | Result |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 2936.42847        | 2936.428535 ± 0.004  | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003           | ~      |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 33.2998009        | 33.2997992 ± 0.002   | ~      |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 122.311699        | 122.3116999 ± 0.002  | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                 | 3 ± 0.0003           | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.70748878        | 1.707488775 ± 0.0003 | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                 | 3 ± 0.0003           | ~      |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | ~        |

| Name                                              | Input Value               |                      |          |  |
|---------------------------------------------------|---------------------------|----------------------|----------|--|
| Rte Inst Sa CmMtrCurr                             | tgt Rte Inst Sa CmMtrCurr | · ·                  |          |  |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |  |
| tgt Rte Inst Sa CmMtrCurr.Pim ShCurrCal           | tgt Pim ShCurrCal         |                      |          |  |
| tgt ShCurrCalPtr.EOLMtrCurrVcalCmd VoltCnts f32   | 10906.24614               |                      |          |  |
| tgt ShCurrCalPtr.EOLMtrCurr1OffsetLo Volts f32    | 1.5                       |                      |          |  |
| tgt ShCurrCalPtr.EOLPhscurr1Gain AmpspVolt f32    | 41.08224213               |                      |          |  |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 39.44766319               |                      |          |  |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 1.622684658               |                      |          |  |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 2.181432068               |                      |          |  |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 1.725617826               |                      |          |  |
| Name                                              | Actual Value              | Expected Value       | Result   |  |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 10906.2461                | 10906.24614 ± 0.004  | ~        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.5                       | 1.5 ± 0.0003         | ~        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 41.0822411                | 41.08224213 ± 0.002  | ~        |  |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 39.4476624                | 39.44766319 ± 0.002  | ~        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.62268472                | 1.622684658 ± 0.0003 | ~        |  |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.18143201                | 2.181432068 ± 0.0003 | <b>✓</b> |  |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 | 1.72561789                | 1.725617826 ± 0.0003 | <b>✓</b> |  |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | ~      |

| Test Step 1.9 (Repeat Count = 1)                  |                           |                      | <b>✓</b> |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Name                                              | Input Value               |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 53535.711                 |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 2.153545499               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 20                        |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 89.41269803               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 1.333732605               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 3                         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 2.401153803               |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 53535.7109                | 53535.711 ± 0.004    | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.15354562                | 2.153545499 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 20                        | 20 ± 0.002           | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 89.4126968                | 89.41269803 ± 0.002  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.3337326                 | 1.333732605 ± 0.0003 | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                         | 3 ± 0.0003           | <b>~</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.4011538                 | 2.401153803 ± 0.0003 | ~        |



| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | ~      |

| Test Step 1.10 (Repeat Count = 1)                 |                           |                      | <b>✓</b> |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Name                                              | Input Value               |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 21034.25092               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 2.478393734               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 125                       |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 25.27381909               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 2.40841347                |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 2.77820462                |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 3                         |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 21034.25                  | 21034.25092 ± 0.004  |          |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.47839379                | 2.478393734 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 125                       | 125 ± 0.002          | ·        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 25.273819                 | 25.27381909 ± 0.002  | <b>~</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.40841341                | 2.40841347 ± 0.0003  | <b>~</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.77820468                | 2.77820462 ± 0.0003  | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                         | 3 ± 0.0003           | ~        |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | ~      |

| Test Step 1.11 (Repeat Count = 1)                 |                           |                      | ✓        |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Name                                              | Input Value               |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 67380.76512               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 3                         |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 118.5                     |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 112.7967792               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 1.373396754               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 3                         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 3                         |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 67380.7656                | 67380.76512 ± 0.004  | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3                         | 3 ± 0.0003           | •        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 118.5                     | 118.5 ± 0.002        | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 112.796776                | 112.7967792 ± 0.002  | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.37339675                | 1.373396754 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                         | 3 ± 0.0003           | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                         | 3 ± 0.0003           | ~        |

| Test Step Call Trace                           |       |                                               |       | <b>✓</b> |
|------------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                             | Count | Result   |
| Rte Call Sa CmMtrCurr FOI ShCurrCal WriteBlock | 1     | Rte Call Sa CmMtrCurr FOLShCurrCal WriteBlock | 1     |          |

| Test Step 1.12 (Repeat Count = 1)               |                           | ✓ |
|-------------------------------------------------|---------------------------|---|
| Name                                            | Input Value               |   |
| Rte_Inst_Sa_CmMtrCurr                           | tgt_Rte_Inst_Sa_CmMtrCurr |   |
| ShCurrCalPtr                                    | tgt_ShCurrCalPtr          |   |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal         | tgt_Pim_ShCurrCal         |   |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32 | 16814.00812               |   |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32  | 1.508232653               |   |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32  | 54.72095644               |   |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32  | 20                        |   |

CmMtrCurr\_SCom\_SetMtrCurrCals

2016-07-24, 12:47:26+0530



| Name                                               | Input Value  |                      |          |
|----------------------------------------------------|--------------|----------------------|----------|
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32     | 1.473869264  |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32   | 3            |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32   | 3            |                      |          |
| Name                                               | Actual Value | Expected Value       | Result   |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32   | 16814.0078   | 16814.00812 ± 0.004  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32    | 1.50823259   | 1.508232653 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 54.7209549   | 54.72095644 ± 0.002  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 20           | 20 ± 0.002           | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32    | 1.4738692    | 1.473869264 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32  | 3            | 3 ± 0.0003           | <b>✓</b> |
| tot Dim ShCurrCal EOI MtrCurr2OffeetDiff Volte f32 | 3            | 3 + 0 0003           | -        |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | ~      |

| Name                                               | Input Value               |                      |          |
|----------------------------------------------------|---------------------------|----------------------|----------|
| Rte_Inst_Sa_CmMtrCurr                              | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                       | tgt_ShCurrCalPtr          |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal            | tgt_Pim_ShCurrCal         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32    | 18097.35985               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32     | 3                         |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32     | 95.44120693               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32     | 125                       |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32     | 2.498684645               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32   | 2.888713241               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32   | 2.355309486               |                      |          |
| Name                                               | Actual Value              | Expected Value       | Result   |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32   | 18097.3594                | 18097.35985 ± 0.004  | -        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32    | 3                         | 3 ± 0.0003           | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32    | 95.4412079                | 95.44120693 ± 0.002  | -        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32    | 125                       | 125 ± 0.002          | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32    | 2.49868464                | 2.498684645 ± 0.0003 | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32  | 2.88871336                | 2.888713241 ± 0.0003 | <b>✓</b> |
| tot Pim ShCurrCal FOI MtrCurr2OffsetDiff Volts f32 | 2 35530949                | 2 355309486 + 0 0003 | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | ~      |

| Name                                              | Input Value               |                      |          |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 40492.74992               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 2.958179414               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 50.39312637               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 31.5                      |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 3                         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 3                         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 1.766534388               |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 40492.75                  | 40492.74992 ± 0.004  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.95817947                | 2.958179414 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 50.3931274                | 50.39312637 ± 0.002  | -        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 31.5                      | 31.5 ± 0.002         | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                         | 3 ± 0.0003           | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                         | 3 ± 0.0003           | <b>✓</b> |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 | 1.76653433                | 1.766534388 ± 0.0003 | _        |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | ~      |

CmMtrCurr\_SCom\_SetMtrCurrCals

Test Step Call Trace
Actual Function

Rte\_Call\_Sa\_CmMtrCurr\_EOLShCurrCal\_WriteBlock



Count Result

| Test Step 1.15 (Repeat Count = 1)                 |                           |                      | ~        |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Name                                              | Input Value               |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 49572.18146               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 1.666847944               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 53.57435536               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 31.60577965               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 1                         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 3                         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 2.030479312               |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 49572.1797                | 49572.18146 ± 0.004  | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.66684794                | 1.666847944 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 53.5743561                | 53.57435536 ± 0.002  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 31.6057796                | 31.60577965 ± 0.002  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1                         | 1 ± 0.0003           | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                         | 3 ± 0.0003           | ✓        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 2.03047943                | 2.030479312 ± 0.0003 | <b>✓</b> |

Count Expected Function

Rte\_Call\_Sa\_CmMtrCurr\_EOLShCurrCal\_WriteBlock

| Name                                              | Input Value               |                      |          |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 48540.26911               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 1.140268624               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 35.79470646               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 30.46874416               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 3                         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 1.806896985               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 3                         |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 48540.2695                | 48540.26911 ± 0.004  | -        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.14026868                | 1.140268624 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 35.7947083                | 35.79470646 ± 0.002  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 30.4687443                | 30.46874416 ± 0.002  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                         | 3 ± 0.0003           | •        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.80689704                | 1.806896985 ± 0.0003 | <b>✓</b> |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 | 3                         | 3 ± 0.0003           | <b>~</b> |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | ~      |

| Test Step 1.17 (Repeat Count = 1)                |                           |                    | · ·      |
|--------------------------------------------------|---------------------------|--------------------|----------|
| Name                                             | Input Value               |                    |          |
| Rte_Inst_Sa_CmMtrCurr                            | tgt_Rte_Inst_Sa_CmMtrCurr |                    |          |
| ShCurrCalPtr                                     | tgt_ShCurrCalPtr          |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal          | tgt_Pim_ShCurrCal         |                    |          |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32  | 8017.29687                |                    |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32   | 3                         |                    |          |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32   | 54.21653891               |                    |          |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32   | 58.63949418               |                    |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32   | 1.5                       |                    |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.932096601               |                    |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                         |                    |          |
| Name                                             | Actual Value              | Expected Value     | Result   |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 | 8017.29688                | 8017.29687 ± 0.004 | <b>✓</b> |

2016-07-24, 12:47:26+0530



| Name                                              | Actual Value | Expected Value       | Result |
|---------------------------------------------------|--------------|----------------------|--------|
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3            | 3 ± 0.0003           | ~      |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 54.2165375   | 54.21653891 ± 0.002  | ~      |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 58.6394958   | 58.63949418 ± 0.002  | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.5          | 1.5 ± 0.0003         | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.9320966    | 1.932096601 ± 0.0003 | •      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003           | -      |

| Test Step Call Trace                          |       |                                               |       | ~        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | <b>✓</b> |

| Name                                              | Input Value               |                      |          |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 75440.02895               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 2.472186744               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 70.57738435               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 25.72331345               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 1.69007498                |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 1                         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 1.519740403               |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 75440.0313                | 75440.02895 ± 0.004  | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 2.4721868                 | 2.472186744 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 70.5773849                | 70.57738435 ± 0.002  | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 25.7233143                | 25.72331345 ± 0.002  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.69007492                | 1.69007498 ± 0.0003  | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1                         | 1 ± 0.0003           | <b>~</b> |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 | 1.51974046                | 1.519740403 ± 0.0003 | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       |        |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | ~      |

| Name                                              | Input Value               |                      |          |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 30610.32411               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 3                         |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 117.9908197               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 122.0586476               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 2.785736442               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 3                         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 2.253039002               |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 30610.3242                | 30610.32411 ± 0.004  | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 3                         | 3 ± 0.0003           | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 117.990822                | 117.9908197 ± 0.002  | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 122.058647                | 122.0586476 ± 0.002  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.78573656                | 2.785736442 ± 0.0003 | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                         | 3 ± 0.0003           | •        |
| tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32 | 2.25303888                | 2.253039002 ± 0.0003 | _        |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | ~        |



| Test Step 1.20 (Repeat Count = 1)                 |                           |                      | <b>✓</b> |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Name                                              | Input Value               |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 27788.15195               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 1.197486937               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 24.13759863               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 125                       |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 3                         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 1.5                       |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 1.944073379               |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 27788.1523                | 27788.15195 ± 0.004  | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.19748688                | 1.197486937 ± 0.0003 | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 24.137598                 | 24.13759863 ± 0.002  | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 125                       | 125 ± 0.002          | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                         | 3 ± 0.0003           | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.5                       | 1.5 ± 0.0003         | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.94407332                | 1.944073379 ± 0.0003 | ~        |

| Test Step Call Trace                          |       |                                               |       | <b>✓</b> |
|-----------------------------------------------|-------|-----------------------------------------------|-------|----------|
| Actual Function                               | Count | Expected Function                             | Count | Result   |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | ~        |

| Test Step 1.21 (Repeat Count = 1)                 |                           |                      |          |
|---------------------------------------------------|---------------------------|----------------------|----------|
| Name                                              | Input Value               |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 3182.965965               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 1.040844321               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 100.9110069               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 80.87253261               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 3                         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 3                         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 1                         |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 3182.96606                | 3182.965965 ± 0.004  | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.04084432                | 1.040844321 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 100.911003                | 100.9110069 ± 0.002  | ~        |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 80.8725357                | 80.87253261 ± 0.002  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 3                         | 3 ± 0.0003           | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 3                         | 3 ± 0.0003           | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1                         | 1 ± 0.0003           | ~        |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | ~      |

| Test Step 1.22 (Repeat Count = 1)                |                           |                     | · ·      |
|--------------------------------------------------|---------------------------|---------------------|----------|
| Name                                             | Input Value               |                     |          |
| Rte_Inst_Sa_CmMtrCurr                            | tgt_Rte_Inst_Sa_CmMtrCurr |                     |          |
| ShCurrCalPtr                                     | tgt_ShCurrCalPtr          |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal          | tgt_Pim_ShCurrCal         |                     |          |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32  | 71212.31879               |                     |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32   | 3                         |                     |          |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32   | 27.82454669               |                     |          |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32   | 20.53835833               |                     |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32   | 1.531606495               |                     |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.01440233                |                     |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32 | 3                         |                     |          |
| Name                                             | Actual Value              | Expected Value      | Result   |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 | 71212.3203                | 71212.31879 ± 0.004 | -        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32  | 3                         | 3 ± 0.0003          | <b>✓</b> |
| tgt Pim ShCurrCal.EOLPhscurr1Gain AmpspVolt f32  | 27.8245468                | 27.82454669 ± 0.002 | -        |

CmMtrCurr\_SCom\_SetMtrCurrCals

2016-07-24, 12:47:26+0530



| Name                                              | Actual Value | Expected Value       | Result |
|---------------------------------------------------|--------------|----------------------|--------|
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 20.5383587   | 20.53835833 ± 0.002  | •      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 1.53160644   | 1.531606495 ± 0.0003 | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 2.01440239   | 2.01440233 ± 0.0003  | ~      |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 3            | 3 ± 0.0003           | ~      |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock | 1     | ~      |

| Name                                              | Input Value               |                      |          |
|---------------------------------------------------|---------------------------|----------------------|----------|
|                                                   | •                         |                      |          |
| Rte_Inst_Sa_CmMtrCurr                             | tgt_Rte_Inst_Sa_CmMtrCurr |                      |          |
| ShCurrCalPtr                                      | tgt_ShCurrCalPtr          |                      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal           | tgt_Pim_ShCurrCal         |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32   | 39484.81324               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32    | 1.629736185               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32    | 86.75763345               |                      |          |
| tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32    | 85.57103252               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32    | 2.813632131               |                      |          |
| tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32  | 1.351694822               | 1.351694822          |          |
| tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32  | 1.5                       |                      |          |
| Name                                              | Actual Value              | Expected Value       | Result   |
| tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32  | 39484.8125                | 39484.81324 ± 0.004  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32   | 1.62973619                | 1.629736185 ± 0.0003 | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32   | 86.757637                 | 86.75763345 ± 0.002  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32   | 85.5710297                | 85.57103252 ± 0.002  | <b>✓</b> |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32   | 2.81363225                | 2.813632131 ± 0.0003 | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 | 1.35169482                | 1.351694822 ± 0.0003 | ~        |
| tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 | 1.5                       | 1.5 ± 0.0003         | <b>✓</b> |

| Test Step Call Trace                          |       |                                               |       | V      |
|-----------------------------------------------|-------|-----------------------------------------------|-------|--------|
| Actual Function                               | Count | Expected Function                             | Count | Result |
| Rte Call Sa CmMtrCurr EOLShCurrCal WriteBlock | 1     | Rte Call Sa CmMtrCurr EOLShCurrCal WriteBlock | 1     | _      |

2016-07-24, 12:37:12+0530



CmMtrCurr\_Per2

Project CmMtrCurr1

Module CmMtrCurr\_MTRCURRPHASEAC\_ON

Test Object CmMtrCurr\_Per2

### Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|-------------------------|-------|
| Decision Coverage       | 100 % |
| Branch (C1) Coverage    | 100 % |
| MCC Coverage            | 100 % |
| MC/DC Coverage          | 100 % |

#### **Statistics**

| Total Testcases | 3 |   |
|-----------------|---|---|
| Successful      | 3 | ~ |
| Failed          | 0 |   |
| Not Executed    | 0 |   |

### **Module Properties**

| Project Root Directory | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP                                                                                                                                                                                                                                                                               |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Configuration File     | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config<br>\TMS570_GCC_UDE_CCS4_Config.xml                                                                                                                                                                                                                         |
| Target Environment     | TI TMS 570 PLS UDE (Default)                                                                                                                                                                                                                                                                                                   |
| Kind of Test           | Unit Test                                                                                                                                                                                                                                                                                                                      |
| Linker Options         |                                                                                                                                                                                                                                                                                                                                |
| Source File(s)         |                                                                                                                                                                                                                                                                                                                                |
| File                   | \$(PROJECTROOT)\CmMtrCurr\src\Sa_CmMtrCurr.c                                                                                                                                                                                                                                                                                   |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include                                  |
| File                   | \$(PROJECTROOT)\NxtrLib\src\interpolation.c                                                                                                                                                                                                                                                                                    |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include |

| Comments/Description/Spe | ecification |
|--------------------------|-------------|
| Name                     | Text        |





Module 'CmMtrCurr MTRCURRPHASEAC ON 

Name of Tester:Chandrakanth Sheegi Code File(s) Under Test:Sa\_CmMtrCurr.c Code File(s) Version:2

Code File(s) Version:2
Module Design Document: CmMtrCurr\_MDD.docx
Module Design Document Version:2
Data Dictionary Version:2
Unit Test Plan Version:2
Optimization Level: Level 2
Compiler (CodeGen) Version:TMS470\_4.9.5
Model Type: Excel Macro
Model Version: Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.32
Total FLASH Used (Bytes):3176
Total RAM Used (Bytes):130
Total CALS Used (Bytes):46
Special Test Requirements:NA
Test Date: 7/23/2016

Test Date:7/23/2016
Comments:
"Note1: Inline functions defined in globalmacro.h are not unit tested.

Note2:- ""CBD\_Sandbox\_dbg.map"" map file is embedded for reference.

Note3:-In function ""CmMtrCurr\_Per3"" some variables are going out of range for some vectors,accepted by devloper variables are :-MtrCurr2SumHi\_Volt\_M\_f32 , VecuSum\_Volt\_M\_f32 , MtrCurr1SumLo\_Volt\_M\_f32, MtrCurr2SumLo\_Volt\_M\_f32, MtrCurr1SumZero\_Volt\_M\_f32,MtrCurr2SumZero\_Volt\_M\_f32, CmMtrCurr\_CurrOffAvgCounter\_Cnt\_M\_u16 .

Note4:-In function CurrDQPer1(), variables 'MtrCurrK1\_Amps\_f32' and 'MtrCurrK2\_Amps\_f32' are going to very large values."

| Attributes            |                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------|
| Name                  | Value                                                                                    |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5                     |
| Float Precision       | 9                                                                                        |
| InitObjDir            | \$(PROJECTROOT)\UnitTestEnv\static_build_files\obj                                       |
| InitSrcDir            | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                                       |
| Linker File           | \$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd                              |
| Makefile Template     | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_Ps.tpl                  |
| Target Install Path   | \$(ProgramFiles)\pls\UDE 4.4                                                             |
| Time Unit             | cycles                                                                                   |
| Timer Enabled         | false                                                                                    |
| Timer Prescale        | 0                                                                                        |
| Timer Resolution      | 1                                                                                        |
| UDE Config File       | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                             |
| Workspace File        | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |



#### Test Case 1: Metrics Test

Specification

Performance Metrics : [With "None" Instrumentation and WithPS Environment]

TS1.1 2382.00cycles TS1.2 2244.00cycles

Description VECTOR DESCRIPTION:

 $TS1.1 \quad Shortest \ Execution \ Path==> (\ Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_f32 ) = True \\ TS1.2 \quad Longest \ Execution \ Path==> (\ Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_f32 ) = False \\ TS1.2 \quad Longest \ Execution \ Path==> (\ Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_f32 ) = False \\ Longest \ Execution \ Path==> (\ Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_f32 ) = False \\ Longest \ Execution \ Path==> (\ Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_f32 ) = False \\ Longest \ Execution \ Path==> (\ Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_f32 ) = False \\ Longest \ Execution \ Path==> (\ Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_f32 ) = False \\ Longest \ Execution \ Path==> (\ Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_f32 ) = False \\ Longest \ Execution \ Path==> (\ Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_f32 ) = False \\ Longest \ Execution \ Path==> (\ Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_f32 ) = False \\ Longest \ Execution \ Path==> (\ Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_f32 ) = False \\ Longest \ Execution \ Path==> (\ Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_f32 ) = False \\ Longest \ Execution \ Path==> (\ Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_f32 ) = False \\ Longest \ Execution \ Path==> (\ Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_f32 ) = False \\ Longest \ Execution \ Path==> (\ Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_f32 ) = False \\ Longest \ Execution \ Path==> (\ Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_f32 ) = False \\ Longest \ Execution \ Path==> (\ Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_F32 ) = False \\ Longest \ Execution \ Path==> (\ Abs\_f32\_m(FiltCurrCorrDiag\_Amps$ 

| Test Step 1.1 (Repeat Count = 1)                                     |                                          |                    | <b>✓</b> |
|----------------------------------------------------------------------|------------------------------------------|--------------------|----------|
| Name                                                                 | Input Value                              |                    |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 53.1758003                               |                    |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.0476000011                             |                    |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1610612736                               |                    |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 2684354560                               |                    |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr                |                    |          |
| k_CurrCorrErrThresh_Amps_f32                                         | 1.51161659                               |                    |          |
| k_CurrOffGainKn_Cnt_u16                                              | 23944                                    |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 0.536371946                              |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 1.69347405                               |                    |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.81864655                               |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 1                                        |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | -62.9746094                              |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | 167.459839                               |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32 |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32 |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_I | Rev_f32            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f3   | 2                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32     |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32     |                    |          |
| Name                                                                 | Actual Value                             | Expected Value     | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 42.1503754                               | 42.1503754 ± 0.001 | ~        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 2.09985352 ± 32                          |                    | ~        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 3.79187012                               |                    | ~        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1127350984 ± 1                           |                    | •        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 2035759488 ± 1                           |                    | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86 86                                    |                    | •        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1 1                                      |                    | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)    | 1                                        | 1                  | <b>✓</b> |

| Test Step Call Trace                           |       |                                                | V     |        |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|
| Actual Function                                | Count | Expected Function                              | Count | Result |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | ~      |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~      |

| Test Step 1.2 (Repeat Count = 1)                                     | <b>✓</b>                                       |
|----------------------------------------------------------------------|------------------------------------------------|
| Name                                                                 | Input Value                                    |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -132.939499                                    |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.595000029                                    |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 536870912                                      |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1610612736                                     |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr                      |
| k_CurrCorrErrThresh_Amps_f32                                         | 43.4733124                                     |
| k_CurrOffGainKn_Cnt_u16                                              | 26553                                          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 0.92788434                                     |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 1.00496554                                     |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.999984741                                    |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 1                                              |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | 120.274055                                     |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | -150.961716                                    |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32           |

2016-07-24, 12:37:12+0530



| Name                                                                        | Input Value                          |                    |        |
|-----------------------------------------------------------------------------|--------------------------------------|--------------------|--------|
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32                  | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32 |                    |        |
| Name                                                                        | Actual Value                         | Expected Value     | Result |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                                  | 17.7312012                           | 17.7311745 ± 0.001 | ~      |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                           | 0.970703125                          | 0.970703125 ± 32   | •      |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                           | 2.19152832                           | 2.19152832 ± 32    | ~      |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                                     | 521178089                            | 521178089 ± 1      | •      |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                                     | 1176630504                           | 1176630504 ± 1     | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)              | 86                                   | 86                 | •      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)             | 1                                    | 1                  | ~      |
| $Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Status\_Cnt\_T\_enum)$ | 0                                    | 0                  | ~      |



#### **Test Case 2: Range Test**

Specification

Performance Metrics : [With "None" Instrumentation and WithPS Environment]

CPU Cycles:

TC2.1 2018Cycles 2197Cycles TC2.2 TC2.3 TC2.4 TC2.5 TC2.6 TC2.7 2102Cycles 2262Cycles 2221Cycles 2179Cycles 2179Cycles 2190Cycles 2139Cycles 2090Cycles 2169Cycles 2125Cycles TC2.8 TC2.10 TC2.11 TC2.12 TC2.13 2182Cycles 2108Cycles 2076Cycles 2076Cycles 2162Cycles 2170Cycles 2201Cycles 2238Cycles TC2.14 TC2.15 TC2.16 TC2.17 TC2.18 TC2.19 TC2.20 TC2.21 TC2.22 2190Cycles 2175Cycles 2102Cycles 2114Cvcles TC2.23 TC2.24 TC2.25 2102Cycles 2190Cycles 2114Cycles 2114Cycles 2188Cycles 2148Cycles 2106Cycles 2146Cycles 2216Cycles TC2.26 TC2 27 TC2.28 TC2.29 TC2.30 TC2.31 TC2.32 TC2.33 2130Cycles 2147Cycles 2156Cycles 2106Cycles TC2.34 TC2.35 TC2.36 TC2.37 2088Cycles 2088Cycles 2151Cycles TC2.38 TC2.39 TC2.40 2147Cvcles 2100Cycles 2168Cycles 2114Cycles 2144Cycles TC2.41 TC2.42 2220Cycles 2188Cycles TC2.43

#### Description

#### VECTOR DECRIPTION:

TS2.1 All Min

TS2.2 All Max

TS2.3 MtrCurrAngle\_Rev\_f32==>Min TS2.4 MtrCurrAngle\_Rev\_f32==>Max TS2.5 MtrCurrAngle\_Rev\_f32==>Pos

TS2.6 CorrMtrPosElec\_Rev\_f32==>Min TS2.7 CorrMtrPosElec\_Rev\_f32==>Max TS2.8 CorrMtrPosElec\_Rev\_f32==>Pos

TS2.9 MtrCurrK1\_Amp\_f32==>Min TS2.10 MtrCurrK1\_Amp\_f32==>Max TS2.11 MtrCurrK1\_Amp\_f32==>Pos

TS2.12

MtrCurrK1\_Amp\_f32==>Zero

TS2.13 MtrCurrK1\_Amp\_f32==>Neg TS2.14 MtrCurrK2\_Amp\_f32==>Min

TS2.15 MtrCurrK2\_Amp\_f32==>Max
TS2.16 MtrCurrK2\_Amp\_f32==>Pos
TS2.17 MtrCurrK2\_Amp\_f32==>Zero

TS2.17 MtrCurrK2\_Amp\_132==>Zero
TS2.18 MtrCurrK2\_Amp\_132==>Neg
TS2.19 ADCMtrCurr1\_Volts\_132==>Min
TS2.20 ADCMtrCurr1\_Volts\_132==>Max
TS2.21 ADCMtrCurr1\_Volts\_132==>Pos
TS2.22 ADCMtrCurr2\_Volts\_132==>Min
TS2.23 ADCMtrCurr2\_Volts\_132==>Max
TS2.24 ADCMtrCurr2\_Volts\_132==>Pos
TS2.25 MtrCurr1\_Volts\_132==>Pos
TS2.26 MtrCurr1\_Volts\_132==>Pos
TS2.27 MtrCurr1\_PFltrSV\_Volts\_M\_u3p29==>Min
TS2.28 MtrCurr1LpFltrSV\_Volts\_M\_u3p29==>Pos
TS2.28 k\_CurrOffGainKn\_Cnt\_u16==>Min
TS2.29 k\_CurrOffGainKn\_Cnt\_u16==>Min

TS2 29

TS2.30

TS2.31 TS2.32

k\_CurrOffGainKn\_Cnt\_u16==>Max k\_CurrOffGainKn\_Cnt\_u16==>Pos/Default MtrCurr2LpFltrSV\_Volts\_M\_u3p29==>Min MtrCurr2LpFltrSV\_Volts\_M\_u3p29==>Max MtrCurr2LpFltrSV\_Volts\_M\_u3p29==>Pos TS2.33

TS2.34 k\_CurrCorrErrThresh\_Amps\_f32==>Min/Default

k\_CurrCorrErrThresh\_Amps\_f32==>Max k\_CurrCorrErrThresh\_Amps\_f32==>Pos TS2 35

TS2.36

TS2.37

CurrCorrDiagKSV\_M\_str.SV==>Min CurrCorrDiagKSV\_M\_str.SV==>Max CurrCorrDiagKSV\_M\_str.SV==>Zero CurrCorrDiagKSV\_M\_str.SV==>Pos TS2.38 TS2.39

TS2.40

CurrCorrDiagKSV\_M\_str.SV==>Neg CurrCorrDiagKSV\_M\_str.K==>Min CurrCorrDiagKSV\_M\_str.K==>Max TS2.41

TS2.42

TS2.43

TS2.44 CurrCorrDiagKSV\_M\_str.K==>Pos

© Report created by TESSY V3.1.13, report template V2.1

5





| Test Step 2.1 (Repeat Count = 1)                                     |                                          |                | ✓      |
|----------------------------------------------------------------------|------------------------------------------|----------------|--------|
| Name                                                                 | Input Value                              |                |        |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -220                                     |                |        |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0                                        |                |        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 0                                        |                |        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 0                                        |                |        |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr                |                |        |
| k_CurrCorrErrThresh_Amps_f32                                         | 0                                        |                |        |
| k_CurrOffGainKn_Cnt_u16                                              | 0                                        |                |        |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 0                                        |                |        |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 0                                        |                |        |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0                                        |                |        |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0                                        |                |        |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | -220                                     |                |        |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | -220                                     |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f   | 32             |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f   | 32             |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_f | Rev_f32        |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f3   | 2              |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32     |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32     |                |        |
| Name                                                                 | Actual Value                             | Expected Value | Result |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -220                                     | -220 ± 0.001   | ~      |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 0                                        | 0 ± 32         | ~      |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 0                                        | 0 ± 32         | ~      |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 0                                        | 0 ± 1          | •      |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 0                                        | 0 ± 1          | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                       | 86             | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                        | 1              | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)    | 1                                        | 1              | ~      |

| Test Step Call Trace                           |       |                                                |       |          |  |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|--|
| Actual Function                                | Count | Expected Function                              | Count | Result   |  |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |  |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | <b>✓</b> |  |
| Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | <b>~</b> |  |

| Test Step 2.2 (Repeat Count = 1)                                     |                                |                    | <b>✓</b> |
|----------------------------------------------------------------------|--------------------------------|--------------------|----------|
| Name                                                                 | Input Value                    |                    |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 220                            |                    |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.999984741                    |                    |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 2684354560                     |                    |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 2684354560                     |                    |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr      |                    |          |
| k_CurrCorrErrThresh_Amps_f32                                         | 50                             |                    |          |
| k_CurrOffGainKn_Cnt_u16                                              | 65535                          |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 3                              |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 3                              |                    |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.999984741                    |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 1                              |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | 220                            |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | 220                            |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCur   | r1_Volts_f32       |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCur   | r2_Volts_f32       |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurr | Position_Rev_f32   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAng  | e_Rev_f32          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_  | Amp_f32            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_  | Amp_f32            |          |
| Name                                                                 | Actual Value                   | Expected Value     | Resul    |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 219.978882                     | 219.978912 ± 0.001 | •        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 3                              | 3 ± 32             | •        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 3                              | 3 ± 32             | •        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1610629120                     | 1610629120 ± 1     | •        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1610629120                     | 1610629120 ± 1     | •        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                             | 86                 | •        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                              | 1                  | •        |
| Rte Call Sa CmMtrCurr NxtrDiagMgr SetNTCStatus(Status Cnt T enum)    | 1                              | 1                  | •        |



| Test Step Call Trace                           |       |                                                |       | <b>✓</b> |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | ~        |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~        |

| Test Step 2.3 (Repeat Count = 1) Name                                                 | Input Value                    |                    |          |
|---------------------------------------------------------------------------------------|--------------------------------|--------------------|----------|
| CmMtrCurr CurrCorrDiagKSV M str.SV Uls f32                                            | 26.5879002                     |                    |          |
| CmMtrCurr CurrCorrDiagKSV_M_str.SV_Ois_i32  CmMtrCurr CurrCorrDiagKSV M str.K Uls f32 | 0.0238000005                   |                    |          |
| CmMtrCurr MtrCurr1LpFltrSV Volt M u3p29                                               | 1073741824                     |                    |          |
|                                                                                       | 0                              |                    |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                                               |                                |                    |          |
| Rte_Inst_Sa_CmMtrCurr                                                                 | tgt_Rte_Inst_Sa_CmMtrCurr      |                    |          |
| k_CurrCorrErrThresh_Amps_f32                                                          | 12.01546                       |                    |          |
| k_CurrOffGainKn_Cnt_u16                                                               | 24884                          |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                                        | 2.10634041                     |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                                        | 1.74261236                     |                    |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                                  | 0.999984741                    |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                                         | 0                              |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                                            | -121.863373                    |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                                            | -113.851982                    |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32                        | tgt_CmMtrCurr_Per2_ADCMtrCurr  |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32                        | tgt_CmMtrCurr_Per2_ADCMtrCurr  |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32                  | tgt_CmMtrCurr_Per2_CorrMtrCurr | Position_Rev_f32   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32                         | tgt_CmMtrCurr_Per2_MtrCurrAngl | e_Rev_f32          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32                            | tgt_CmMtrCurr_Per2_MtrCurrK1_/ | Amp_f32            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32                            | tgt_CmMtrCurr_Per2_MtrCurrK2_/ | Amp_f32            |          |
| Name                                                                                  | Actual Value                   | Expected Value     | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                                            | 23.0550194                     | 23.0550194 ± 0.001 | •        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                                     | 2.0402832                      | 2.0402832 ± 32     | <b>✓</b> |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                                     | 0.661621094                    | 0.661621094 ± 32   | •        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                                               | 1095415788                     | 1095415788 ± 1     | <b>✓</b> |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                                               | 355219100                      | 355219100 ± 1      | <b>✓</b> |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)                        | 86                             | 86                 | •        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)                       | 1                              | 1                  | -        |
| Rte Call Sa CmMtrCurr NxtrDiagMgr SetNTCStatus(Status Cnt T enum)                     | 1                              | 1                  |          |

| Test Step Call Trace                           |       |                                                |       | V      |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|
| Actual Function                                | Count | Expected Function                              | Count | Result |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | •      |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~      |

| Name                                                                 | Input Value                    |                    |        |
|----------------------------------------------------------------------|--------------------------------|--------------------|--------|
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 53.1758003                     |                    |        |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.0476000011                   |                    |        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1610612736                     |                    |        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 2684354560                     |                    |        |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr      |                    |        |
| k_CurrCorrErrThresh_Amps_f32                                         | 1.51161659                     |                    |        |
| k_CurrOffGainKn_Cnt_u16                                              | 23944                          |                    |        |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 0.536371946                    |                    |        |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 1.69347405                     |                    |        |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.81864655                     |                    |        |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 1                              |                    |        |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | -62.9746094                    |                    |        |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | 167.459839                     |                    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr  | r1_Volts_f32       |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr  | 2_Volts_f32        |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurr | Position_Rev_f32   |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngl | e_Rev_f32          |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_/ | Amp_f32            |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_/ | Amp_f32            |        |
| Name                                                                 | Actual Value                   | Expected Value     | Result |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 42.1503754                     | 42.1503754 ± 0.001 | -      |
|                                                                      |                                |                    | •      |

2016-07-24, 12:37:12+0530



| Name                                                              | Actual Value | Expected Value  | Result |
|-------------------------------------------------------------------|--------------|-----------------|--------|
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                 | 2.09985352   | 2.09985352 ± 32 |        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                 | 3.79187012   | 3.79187012 ± 32 | ~      |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                           | 1127350984   | 1127350984 ± 1  | ~      |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                           | 2035759488   | 2035759488 ± 1  | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)    | 86           | 86              | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)   | 1            | 1               | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) | 1            | 1               | ~      |

| Test Step Call Trace                           |       |                                                |       |        |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|
| Actual Function                                | Count | Expected Function                              | Count | Result |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | -      |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | -      |

| Test Step 2.5 (Repeat Count = 1)                                     |                                          |                    | <b>✓</b> |  |
|----------------------------------------------------------------------|------------------------------------------|--------------------|----------|--|
| Name                                                                 | Input Value                              |                    |          |  |
| CmMtrCurr CurrCorrDiagKSV M str.SV Uls f32                           | 79.7637024                               | 79.7637024         |          |  |
| CmMtrCurr CurrCorrDiagKSV M str.K Uls f32                            | 0.0714000016                             |                    |          |  |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 0                                        |                    |          |  |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 2684354560                               |                    |          |  |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr                |                    |          |  |
| k_CurrCorrErrThresh_Amps_f32                                         | 13.7331686                               |                    |          |  |
| k_CurrOffGainKn_Cnt_u16                                              | 30009                                    |                    |          |  |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 3                                        |                    |          |  |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 3                                        |                    |          |  |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.999984741                              |                    |          |  |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.650410891                              |                    |          |  |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | 24.0062561                               |                    |          |  |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | -162.827972                              |                    |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32 |                    |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_    | _f32               |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_  | _Rev_f32           |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f    | 32                 |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32     |                    |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32     |                    |          |  |
| Name                                                                 | Actual Value                             | Expected Value     | Result   |  |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 82.4870529                               | 82.4870529 ± 0.001 | ~        |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 1.37365723                               | 1.37365723 ± 32    | <b>✓</b> |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 4.08410645                               | 4.08410645 ± 32    | ~        |  |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 737501184                                | 737501184 ± 1      | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 2192687104                               | 2192687104 ± 1     | ~        |  |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                       | 86                 | ~        |  |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                        | 1                  | ~        |  |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)    | 1                                        | 1                  | ~        |  |

| Test Step Call Trace                           |       |                                                |       | V      |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|
| Actual Function                                | Count | Expected Function                              | Count | Result |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | ~      |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~      |

| Test Step 2.6 (Repeat Count = 1)                     |                           | <b>✓</b> |
|------------------------------------------------------|---------------------------|----------|
| Name                                                 | Input Value               |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32           | 106.351601                |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32            | 0.0952000022              |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29              | 0                         |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29              | 2147483648                |          |
| Rte_Inst_Sa_CmMtrCurr                                | tgt_Rte_Inst_Sa_CmMtrCurr |          |
| k_CurrCorrErrThresh_Amps_f32                         | 3.21194029                |          |
| k_CurrOffGainKn_Cnt_u16                              | 51201                     |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value       | 0.976586819               |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value       | 0.210442543               |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value | 0                         |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value        | 0.645435333               |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value           | 57.8244247                |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value           | 85.995018                 |          |

 $Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(NTC\_Cnt\_T\_enum)$ 

 $Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Param\_Cnt\_T\_u08) \\ Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Status\_Cnt\_T\_enum) \\$ 

CmMtrCurr\_Per2

2016-07-24, 12:37:12+0530



Input Value  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_ADCMtrCurr1\_Volts\_f32$  $tgt\_CmMtrCurr\_Per2\_ADCMtrCurr1\_Volts\_f32$  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_ADCMtrCurr2\_Volts\_f32$ tgt\_CmMtrCurr\_Per2\_ADCMtrCurr2\_Volts\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_CorrMtrCurrPosition\_Rev\_f32$ tgt\_CmMtrCurr\_Per2\_CorrMtrCurrPosition\_Rev\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_MtrCurrAngle\_Rev\_f32$ tgt\_CmMtrCurr\_Per2\_MtrCurrAngle\_Rev\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_MtrCurrK1\_Amp\_f32 tgt\_CmMtrCurr\_Per2\_MtrCurrK1\_Amp\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_MtrCurrK2\_Amp\_f32$ tgt\_CmMtrCurr\_Per2\_MtrCurrK2\_Amp\_f32 Result Name **Actual Value Expected Value** CmMtrCurr\_CurrCorrDiagKSV\_M\_str.SV\_Uls\_f32 86.38237 86.38237 ± 0.001  $CmMtrCurr\_FiltMtrCurr1\_Volt\_M\_f32$ 0.762939453 0.762939453 ± 32 CmMtrCurr\_FiltMtrCurr2\_Volt\_M\_f32 1.03918457 1.03918457 ± 32 409608000 ± 1 409608000  $CmMtrCurr\_MtrCurr1LpFltrSV\_Volt\_M\_u3p29$ CmMtrCurr\_MtrCurr2LpFltrSV\_Volt\_M\_u3p29 557948603 557948603 ± 1

| Test Step Call Trace                           |       |                                                |       | <b>✓</b> |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | ~        |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~        |

86

86

1

| est Step 2.7 (Repeat Count = 1)                                     |                                          |                    | V      |
|---------------------------------------------------------------------|------------------------------------------|--------------------|--------|
| lame                                                                | Input Value                              |                    |        |
| mMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 132.939499                               |                    |        |
| mMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.119000003                              |                    |        |
| mMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 2684354560                               |                    |        |
| mMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 2684354560                               |                    |        |
| te_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr                |                    |        |
| _CurrCorrErrThresh_Amps_f32                                         | 34.8454857                               |                    |        |
| _CurrOffGainKn_Cnt_u16                                              | 8222                                     |                    |        |
| t_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                        | 1.86731339                               |                    |        |
| gt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 0.146819592                              |                    |        |
| gt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.999984741                              |                    |        |
| gt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.594516039                              |                    |        |
| gt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | -193.109467                              |                    |        |
| gt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | -176.977707                              |                    |        |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f   | 32                 |        |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f   | 32                 |        |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_F | Rev_f32            |        |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f3:  | 2                  |        |
| t_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32            | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32     |                    |        |
| gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32     |                    |        |
| lame                                                                | Actual Value                             | Expected Value     | Result |
| mMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 147.949432                               | 147.949432 ± 0.001 | -      |
| mMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 4.60693359                               | 4.60693359 ± 32    | -      |
| mMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 4.39111328                               | 4.39111328 ± 32    | -      |
| mMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 2473353374                               | 2473353374 ± 1     | •      |
| mMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 2357464284                               | 2357464284 ± 1     | -      |
| tte Call Sa CmMtrCurr NxtrDiagMgr SetNTCStatus(NTC Cnt T enum)      | 86                                       | 86                 | -      |

| Test Step Call Trace                           |       |                                                |       |          |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | <b>✓</b> |
| Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | <b>✓</b> |

| Test Step 2.8 (Repeat Count = 1)           |                           | ✓ |
|--------------------------------------------|---------------------------|---|
| Name                                       | Input Value               |   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32 | 159.527405                |   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32  | 0.142800003               |   |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29    | 2147483648                |   |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29    | 2684354560                |   |
| Rte_Inst_Sa_CmMtrCurr                      | tgt_Rte_Inst_Sa_CmMtrCurr |   |

Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Param\_Cnt\_T\_u08)
Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Status\_Cnt\_T\_enum)

 $Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(NTC\_Cnt\_T\_enum)$ 

Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Param\_Cnt\_T\_u08)
Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Status\_Cnt\_T\_enum)

CmMtrCurr\_Per2

2016-07-24, 12:37:12+0530



Input Value k\_CurrCorrErrThresh\_Amps\_f32 21.3016624 k\_CurrOffGainKn\_Cnt\_u16 60584 tgt\_CmMtrCurr\_Per2\_ADCMtrCurr1\_Volts\_f32.value 3 tgt\_CmMtrCurr\_Per2\_ADCMtrCurr2\_Volts\_f32.value 1.53049707  $tgt\_CmMtrCurr\_Per2\_CorrMtrCurrPosition\_Rev\_f32.value$ 0.802072763  $tgt\_CmMtrCurr\_Per2\_MtrCurrAngle\_Rev\_f32.value$ 0.662033796 tgt\_CmMtrCurr\_Per2\_MtrCurrK1\_Amp\_f32.value 77.2116165  $tgt\_CmMtrCurr\_Per2\_MtrCurrK2\_Amp\_f32.value$ -124.013275 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_ADCMtrCurr1\_Volts\_f32 tgt\_CmMtrCurr\_Per2\_ADCMtrCurr1\_Volts\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_ADCMtrCurr2\_Volts\_f32$ tgt\_CmMtrCurr\_Per2\_ADCMtrCurr2\_Volts\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_CorrMtrCurrPosition\_Rev\_f32$ tgt\_CmMtrCurr\_Per2\_CorrMtrCurrPosition\_Rev\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_MtrCurrAngle\_Rev\_f32$ tgt\_CmMtrCurr\_Per2\_MtrCurrAngle\_Rev\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_MtrCurrK1\_Amp\_f32 tgt\_CmMtrCurr\_Per2\_MtrCurrK1\_Amp\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_MtrCurrK2\_Amp\_f32$ tgt\_CmMtrCurr\_Per2\_MtrCurrK2\_Amp\_f32 **Actual Value Expected Value** CmMtrCurr\_CurrCorrDiagKSV\_M\_str.SV\_Uls\_f32 122.040199 122.040199 ± 0.001 CmMtrCurr FiltMtrCurr1 Volt M f32 3.07556152 3.07556152 ± 32 CmMtrCurr\_FiltMtrCurr2\_Volt\_M\_f32 1.79248047 1.79248047 ± 32 CmMtrCurr\_MtrCurr1LpFltrSV\_Volt\_M\_u3p29 1651179520 1651179520 ± 1  $CmMtrCurr\_MtrCurr2LpFltrSV\_Volt\_M\_u3p29$ 962375528 962375528 ± 1

| Test Step Call Trace                           |       |                                                |       | <b>✓</b> |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | ~        |
| Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | <b>V</b> |

86

86

86

| Test Step 2.9 (Repeat Count = 1)                                     |                                          |                    | V      |
|----------------------------------------------------------------------|------------------------------------------|--------------------|--------|
| Name                                                                 | Input Value                              |                    |        |
| CmMtrCurr CurrCorrDiagKSV M str.SV Uls f32                           | 186.115295                               |                    |        |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.166600004                              |                    |        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 0                                        |                    |        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 536870912                                |                    |        |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr                |                    |        |
| k_CurrCorrErrThresh_Amps_f32                                         | 12.3355026                               |                    |        |
| k_CurrOffGainKn_Cnt_u16                                              | 13034                                    |                    |        |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 2.89603114                               |                    |        |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 0.54530549                               |                    |        |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.999984741                              |                    |        |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.470564485                              |                    |        |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | -220                                     |                    |        |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | -46.0492287                              |                    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f   | 32                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f   | 32                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_F | Rev_f32            |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f3   | 2                  |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32     |                    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32     |                    |        |
| Name                                                                 | Actual Value                             | Expected Value     | Result |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 189.723221                               | 189.723236 ± 0.001 | ~      |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 0.575927734                              | 0.575927734 ± 32   | ~      |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 0.909545898                              | 0.909545898 ± 32   | ~      |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 309218616                                | 309218616 ± 1      | •      |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 488319262                                | 488319262 ± 1      | ~      |

| Test Step Call Trace                           |       |                                                |       |        |  |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|--|
| Actual Function                                | Count | Expected Function                              | Count | Result |  |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |  |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | -      |  |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~      |  |

86

 $Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(NTC\_Cnt\_T\_enum)$ 

 $Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Param\_Cnt\_T\_u08) \\ Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Status\_Cnt\_T\_enum) \\$ 





| Test Sten 2.40 (Beneat Count = 4)                                    |                                    |                    | - A      |
|----------------------------------------------------------------------|------------------------------------|--------------------|----------|
| Test Step 2.10 (Repeat Count = 1)                                    | Innut Value                        |                    | · ·      |
| Name                                                                 | Input Value                        |                    |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 212.703201                         |                    |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.190400004                        |                    |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1073741824                         |                    |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1610612736                         |                    |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr          |                    |          |
| k_CurrCorrErrThresh_Amps_f32                                         | 23.8196144                         |                    |          |
| k_CurrOffGainKn_Cnt_u16                                              | 16051                              |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 1.58795404                         |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 2.67675209                         |                    |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.220773697                        |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.960949421                        |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | 220                                |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | 142.857925                         |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_V   | olts_f32           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_V   | olts_f32           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosi | ition_Rev_f32      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_R  | ev_f32             |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp   | _f32               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp   | _f32               |          |
| Name                                                                 | Actual Value                       | Expected Value     | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 214.363541                         | 214.363541 ± 0.001 | ~        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 1.89904785                         | 1.89904785 ± 32    | ~        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 2.92077637                         | 2.92077637 ± 32    | <b>✓</b> |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1019553648                         | 1019553648 ± 1     | <b>✓</b> |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1568093637                         | 1568093637 ± 1     | <b>~</b> |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                 | 86                 | <b>✓</b> |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                  | 1                  | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)    | 1                                  | 1                  | ~        |

| Test Step Call Trace                           |       |                                                |       | V        |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | •        |
| Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | <b>✓</b> |

| Test Step 2.11 (Repeat Count = 1)                                    |                                      |                    | <b>✓</b> |
|----------------------------------------------------------------------|--------------------------------------|--------------------|----------|
| Name                                                                 | Input Value                          |                    |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 176.503418                           |                    |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.214200005                          |                    |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1073741824                           |                    |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 0                                    |                    |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr            |                    |          |
| k_CurrCorrErrThresh_Amps_f32                                         | 39.5672913                           |                    |          |
| k_CurrOffGainKn_Cnt_u16                                              | 65236                                |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 0.92795682                           |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 1.0516994                            |                    |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.219477057                          |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.509203792                          |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | 109.150772                           |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | -101.753723                          |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Vo    | lts_f32            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Vd    | lts_f32            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPositi | on_Rev_f32         |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Re   | v_f32              |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_    | <u>f</u> 32        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_    | <u>f</u> 32        |          |
| Name                                                                 | Actual Value                         | Expected Value     | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 157.174316                           | 157.174332 ± 0.001 | ~        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 0.932739258                          | 0.932739258 ± 32   | <b>✓</b> |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 1.04675293                           | 1.04675293 ± 32    | ·        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 500774036                            | 500774036 ± 1      | •        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 562008140                            | 562008140 ± 1      | <b>✓</b> |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                   | 86                 | •        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                    | 1                  | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)    | 1                                    | 1                  | <b>✓</b> |



| Test Step Call Trace                           |       |                                                |       | <b>✓</b> |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | •        |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~        |

| Test Step 2.12 (Repeat Count = 1)                                    |                                       |                     | <b>~</b> |
|----------------------------------------------------------------------|---------------------------------------|---------------------|----------|
| Name                                                                 | Input Value                           |                     |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -124.013275                           |                     |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.238000005                           |                     |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 2684354560                            |                     |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 2684354560                            |                     |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr             |                     |          |
| k_CurrCorrErrThresh_Amps_f32                                         | 42.5367241                            |                     |          |
| k_CurrOffGainKn_Cnt_u16                                              | 1022                                  |                     |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 2.41063404                            |                     |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 3                                     |                     |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.581155062                           |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.68121314                            |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | 0                                     |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | 79.1892929                            |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volt   | s_f32               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volt   | s_f32               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPositio | n_Rev_f32           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev   | _f32                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f3   | 32                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f3   | 32                  |          |
| Name                                                                 | Actual Value                          | Expected Value      | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -75.7079468                           | -75.7079468 ± 0.001 | •        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 4.95959473                            | 4.95959473 ± 32     | •        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 4.96875                               | 4.96875 ± 32        | •        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 2662674874                            | 2662674874 ± 1      | •        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 2667610112                            | 2667610112 ± 1      | •        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                    | 86                  | •        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                     | 1                   | •        |
|                                                                      |                                       |                     |          |

| Test Step Call Trace                           |       |                                                |       |        |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|
| Actual Function                                | Count | Expected Function                              | Count | Result |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | ~      |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~      |

| Name                                                                 | Input Value                     |                    |        |
|----------------------------------------------------------------------|---------------------------------|--------------------|--------|
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 213.124634                      |                    |        |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.261799991                     |                    |        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 536870912                       |                    |        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 0                               |                    |        |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr       |                    |        |
| k_CurrCorrErrThresh_Amps_f32                                         | 45.5535393                      |                    |        |
| k_CurrOffGainKn_Cnt_u16                                              | 21466                           |                    |        |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 2.20454574                      |                    |        |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 0.840689898                     |                    |        |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.797756791                     |                    |        |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.0898677111                    |                    |        |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | -193.109467                     |                    |        |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | -45.276535                      |                    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1  | 1_Volts_f32        |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2  | 2_Volts_f32        |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrF | Position_Rev_f32   |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle | e_Rev_f32          |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_A  | .mp_f32            |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_A  | .mp_f32            |        |
| Name                                                                 | Actual Value                    | Expected Value     | Result |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 126.550911                      | 126.550919 ± 0.001 | -      |
|                                                                      |                                 |                    | •      |

 $Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Status\_Cnt\_T\_enum)$ 

CmMtrCurr\_Per2

2016-07-24, 12:37:12+0530



| Name                                                              | Actual Value | Expected Value   | Result |
|-------------------------------------------------------------------|--------------|------------------|--------|
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                 | 1.39440918   | 1.39440918 ± 32  |        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                 | 0.275268555  | 0.275268555 ± 32 | ~      |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                           | 748675934    | 748675934 ± 1    | ~      |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                           | 147814876    | 147814876 ± 1    | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)    | 86           | 86               | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)   | 1            | 1                | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) | 1            | 1                | •      |

| Test Step Call Trace                           |       |                                                |       |          |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | <b>~</b> |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | <b>~</b> |

| Test Step 2.14 (Repeat Count = 1)                                    |                                    |                    | ✓        |
|----------------------------------------------------------------------|------------------------------------|--------------------|----------|
| Name                                                                 | Input Value                        |                    |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 205.884918                         |                    |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.285600007                        |                    |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 2147483648                         |                    |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1073741824                         |                    |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr          |                    |          |
| k_CurrCorrErrThresh_Amps_f32                                         | 23.0402622                         |                    |          |
| k_CurrOffGainKn_Cnt_u16                                              | 46642                              |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 1.84698057                         |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 0.904856682                        |                    |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.999984741                        |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.964856148                        |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | -1.49260986                        |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | -220                               |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_V   | olts_f32           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_V   | olts_f32           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosi | tion_Rev_f32       |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Re | ev_f32             |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp   | _f32               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp   | _f32               |          |
| Name                                                                 | Actual Value                       | Expected Value     | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 160.435898                         | 160.435928 ± 0.001 | <b>✓</b> |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 2.46765137                         | 2.46765137 ± 32    | ✓        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 1.22045898                         | 1.22045898 ± 32    | <b>✓</b> |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1324812052                         | 1324812052 ± 1     | ✓        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 655269800                          | 655269800 ± 1      | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                 | 86                 | <b>✓</b> |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                  | 1                  | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)    | 1                                  | 1                  | <b>✓</b> |

| Test Step Call Trace                           |       |                                                |       |          |  |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|--|
| Actual Function                                | Count | Expected Function                              | Count | Result   |  |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |  |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | <b>✓</b> |  |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~        |  |

| Test Step 2.15 (Repeat Count = 1)                    |                           | ~ |
|------------------------------------------------------|---------------------------|---|
| Name                                                 | Input Value               |   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32           | 164.269547                |   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32            | 0.309399992               |   |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29              | 1610612736                |   |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29              | 1073741824                |   |
| Rte_Inst_Sa_CmMtrCurr                                | tgt_Rte_Inst_Sa_CmMtrCurr |   |
| k_CurrCorrErrThresh_Amps_f32                         | 13.031085                 |   |
| k_CurrOffGainKn_Cnt_u16                              | 18790                     |   |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value       | 2.5971663                 |   |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value       | 2.02461219                |   |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value | 0.6219033                 |   |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value        | 0.412034392               |   |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value           | 209.150772                |   |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value           | 220                       |   |

2016-07-24, 12:37:12+0530



| Name                                                                 | Input Value                   |                    |          |
|----------------------------------------------------------------------|-------------------------------|--------------------|----------|
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCu   | rr1_Volts_f32      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCu   | rr2_Volts_f32      |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCur | rPosition_Rev_f32  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAng | gle_Rev_f32        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_ | _Amp_f32           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_ | _Amp_f32           |          |
| Name                                                                 | Actual Value                  | Expected Value     | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 191.095016                    | 191.095016 ± 0.001 | ~        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 2.88439941                    | 2.88439941 ± 32    | ✓        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 2.00695801                    | 2.00695801 ± 32    | <b>✓</b> |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1548586946                    | 1548586946 ± 1     | ✓        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1077518614                    | 1077518614 ± 1     | ✓        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                            | 86                 | ✓        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                             | 1                  | ✓        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)    | 1                             | 1                  | ✓        |

| Test Step Call Trace                           |       |                                                |       |          |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | <b>✓</b> |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~        |

| Test Step 2.16 (Repeat Count = 1)                                    |                               |                     | <b>~</b> |
|----------------------------------------------------------------------|-------------------------------|---------------------|----------|
| Name                                                                 | Input Value                   |                     |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 10.5567312                    |                     |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.333200008                   |                     |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 536870912                     |                     |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 0                             |                     |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr     |                     |          |
| k_CurrCorrErrThresh_Amps_f32                                         | 17.5181484                    |                     |          |
| k_CurrOffGainKn_Cnt_u16                                              | 20757                         |                     |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 3                             |                     |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 2.47857809                    |                     |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.591161489                   |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 1                             |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | 119.292099                    |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | 99.1507721                    |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCu   | rr1_Volts_f32       |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCu   | rr2_Volts_f32       |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCur | rPosition_Rev_f32   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAng | gle_Rev_f32         |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_ | _Amp_f32            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_ | _Ampf32             |          |
| Name                                                                 | Actual Value                  | Expected Value      | Resul    |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -44.2701263                   | -44.2701263 ± 0.001 | •        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 1.63342285                    | 1.63342285 ± 32     | •        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 0.784912109                   | 0.784912109 ± 32    | •        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 876953600                     | 876953600 ± 1       | •        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 421450128                     | 421450128 ± 1       | •        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                            | 86                  | •        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                             | 1                   | •        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)    | 1                             | 1                   | •        |

| Test Step Call Trace                           |       |                                                |       |          |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | <b>✓</b> |
| Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | <b>✓</b> |

| Test Step 2.17 (Repeat Count = 1)          |                           | <b>✓</b> |
|--------------------------------------------|---------------------------|----------|
| Name                                       | Input Value               |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32 | 67.0593872                |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32  | 0.356999993               |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29    | 0                         |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29    | 0                         |          |
| Rte_Inst_Sa_CmMtrCurr                      | tgt_Rte_Inst_Sa_CmMtrCurr |          |

Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Param\_Cnt\_T\_u08)
Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Status\_Cnt\_T\_enum)

CmMtrCurr\_Per2

2016-07-24, 12:37:12+0530



| Name                                                                 | Input Value                                    |                                          |          |  |
|----------------------------------------------------------------------|------------------------------------------------|------------------------------------------|----------|--|
| k_CurrCorrErrThresh_Amps_f32                                         | 39.2408562                                     | 39.2408562                               |          |  |
| k_CurrOffGainKn_Cnt_u16                                              | 9765                                           |                                          |          |  |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 0.260634184                                    |                                          |          |  |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 2.42698312                                     |                                          |          |  |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.999984741                                    |                                          |          |  |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 1                                              |                                          |          |  |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | -52.158802                                     |                                          |          |  |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | 0                                              |                                          |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       |                                          |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCu                    | tgt CmMtrCurr Per2 ADCMtrCurr2 Volts f32 |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt CmMtrCurr Per2 CorrMtrCurrPosition Rev f32 |                                          |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        |                                          |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1                   | _Amp_f32                                 |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2                   | _Amp_f32                                 |          |  |
| Name                                                                 | Actual Value                                   | Expected Value                           | Result   |  |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 24.498497                                      | 24.4984951 ± 0.001                       | •        |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 0.0388183594                                   | 0.0388183594 ± 32                        | <b>✓</b> |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 0.361572266                                    | 0.361572266 ± 32                         | <b>✓</b> |  |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 20848275                                       | 20848275 ± 1                             | <b>✓</b> |  |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 194137965                                      | 194137965 ± 1                            | <b>✓</b> |  |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                             | 86                                       | ·        |  |
| Die Cell Ce ConMirCour NoteDiegMan CethITCCtetre/Decem Cet T (100)   | 4                                              | 4                                        |          |  |

| Test Step Call Trace                           |       |                                                |       | <b>✓</b> |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | ~        |
| Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | <b>V</b> |

| Name                                                                 | Input Value                     |                    |        |
|----------------------------------------------------------------------|---------------------------------|--------------------|--------|
| CmMtrCurr CurrCorrDiagKSV M str.SV UIs f32                           | -18.6036739                     |                    |        |
| CmMtrCurr CurrCorrDiagKSV M str.K Uls f32                            | 0.380800009                     |                    |        |
| CmMtrCurr MtrCurr1LpFltrSV Volt M u3p29                              | 2684354560                      |                    |        |
| CmMtrCurr MtrCurr2LpFltrSV Volt M u3p29                              | 1073741824                      |                    |        |
| Rte Inst Sa CmMtrCurr                                                | tgt Rte Inst Sa CmMtrCurr       |                    |        |
| k CurrCorrErrThresh Amps f32                                         | 43.8335342                      |                    |        |
| k CurrOffGainKn Cnt u16                                              | 21154                           |                    |        |
| tgt CmMtrCurr Per2 ADCMtrCurr1 Volts f32.value                       | 0.628910542                     |                    |        |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 0.400859833                     |                    |        |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.619235039                     |                    |        |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 1                               |                    |        |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | -6.287848                       |                    |        |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | -193.109467                     |                    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1  | _Volts_f32         |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2  | _Volts_f32         |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrP | osition_Rev_f32    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle | _Rev_f32           |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Ar | mp_f32             |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Ar | mp_f32             |        |
| Name                                                                 | Actual Value                    | Expected Value     | Result |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 40.3145828                      | 40.3145981 ± 0.001 |        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 3.58898926 ± 32                 |                    | •      |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 1.48376465                      | 1.48376465 ± 32    | •      |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1926872128                      | 1926872128 ± 1     | •      |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 796603270                       | 796603270 ± 1      | •      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                              | 86                 |        |
|                                                                      |                                 |                    |        |

| Test Step Call Trace                           |       |                                                |       | V      |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|
| Actual Function                                | Count | Expected Function                              | Count | Result |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | ~      |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~      |

Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Param\_Cnt\_T\_u08)
Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Status\_Cnt\_T\_enum)





| Test Step 2.19 (Repeat Count = 1)                                                                                               |                                      |                     |        |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------|--------|
| Name                                                                                                                            | Input Value                          |                     | ·      |
| CmMtrCurr CurrCorrDiagKSV M str.SV Uls f32                                                                                      | -150.961716                          |                     |        |
| CmMtrCurr CurrCorrDiagKSV M str.K Uls f32                                                                                       | 0.404599994                          |                     |        |
| CmMtrCurr MtrCurr1LpFltrSV Volt M u3p29                                                                                         | 1073741824                           |                     |        |
| CmMtrCurr MtrCurr2LpFltrSV Volt M u3p29                                                                                         | 0                                    |                     |        |
| Rte Inst Sa CmMtrCurr                                                                                                           | tgt Rte Inst Sa CmMtrCurr            |                     |        |
| k CurrCorrErrThresh Amps f32                                                                                                    | 8.83558655                           |                     |        |
| k CurrOffGainKn Cnt u16                                                                                                         | 31270                                |                     |        |
| tgt CmMtrCurr Per2 ADCMtrCurr1 Volts f32.value                                                                                  | 0                                    |                     |        |
| tgt CmMtrCurr Per2 ADCMtrCurr2 Volts f32.value                                                                                  | 3                                    |                     |        |
| tgt CmMtrCurr Per2 CorrMtrCurrPosition Rev f32.value                                                                            | 0.751632094                          |                     |        |
| tgt CmMtrCurr Per2 MtrCurrAngle Rev f32.value                                                                                   | 1                                    |                     |        |
| tgt CmMtrCurr Per2 MtrCurrK1 Amp f32.value                                                                                      | 21,2320423                           |                     |        |
| tgt CmMtrCurr Per2 MtrCurrK2 Amp f32.value                                                                                      | 176.503418                           |                     |        |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per2 ADCMtrCurr1 Volts f32                                                                  | tgt CmMtrCurr Per2 ADCMtrCurr1 Volt  | s f32               |        |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per2 ADCMtrCurr2 Volts f32                                                                  | tgt_CmMtrCurr Per2_ADCMtrCurr2 Volt  | _                   |        |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per2 CorrMtrCurrPosition Rev f32                                                            | tgt_CmMtrCurr Per2_Abcivitcurr2_void | -                   |        |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per2 MtrCurrAngle Rev f32                                                                   | tgt CmMtrCurr Per2 MtrCurrAngle Rev  |                     |        |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per2 MtrCurrK1 Amp f32                                                                      | tgt CmMtrCurr Per2 MtrCurrK1 Amp f3  | _                   |        |
| tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per2 MtrCurrK2 Amp f32                                                                      | tgt CmMtrCurr Per2 MtrCurrK2 Amp f3  |                     |        |
| Name                                                                                                                            | Actual Value                         | Expected Value      | Result |
| CmMtrCurr CurrCorrDiagKSV M str.SV Uls f32                                                                                      | -161,204041                          | -161,204041 ± 0.001 | Result |
| CmMtrCurr FiltMtrCurr1 Volt M f32                                                                                               | 1.0456543                            | 1.0456543 ± 32      |        |
| CmMtrCurr FiltMtrCurr2 Volt M f32                                                                                               | 1.43139648                           | 1.43139648 ± 32     |        |
|                                                                                                                                 | 561414144                            | 561414144 ± 1       |        |
| CmMtrCurr_MtrCurr2l_pFltrSV_Volt_M_u3p29                                                                                        | 768491520                            | 768491520 ± 1       |        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                                                                                         | 86                                   | 766491520 ± 1       | ,      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)  Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) | 1                                    | 1                   |        |
|                                                                                                                                 | 1                                    | 1                   |        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)                                                               | 1                                    | 1                   |        |

| Test Step Call Trace                           |       |                                                |       | V        |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | •        |
| Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | <b>✓</b> |

| Test Step 2.20 (Repeat Count = 1)                                    |                                   |                     | •     |
|----------------------------------------------------------------------|-----------------------------------|---------------------|-------|
| Name                                                                 | Input Value                       |                     |       |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 63.5916023                        |                     |       |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.42840001                        |                     |       |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 2147483648                        |                     |       |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 2684354560                        |                     |       |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr         |                     |       |
| k_CurrCorrErrThresh_Amps_f32                                         | 21.3016624                        |                     |       |
| k_CurrOffGainKn_Cnt_u16                                              | 60584                             |                     |       |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 3                                 |                     |       |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 1.53049707                        |                     |       |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.802072763                       |                     |       |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.662033796                       |                     |       |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | 77.2116165                        |                     |       |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | -124.013275                       |                     |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_   | Volts_f32           |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_   | Volts_f32           |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPos | sition_Rev_f32      |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_I | Rev_f32             |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Am   | p_f32               |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Am   | p_f32               |       |
| Name                                                                 | Actual Value                      | Expected Value      | Resul |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -7.77110672                       | -7.77110004 ± 0.001 | •     |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 3.07556152                        | 3.07556152 ± 32     |       |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 1.79248047                        | 1.79248047 ± 32     | •     |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1651179520                        | 1651179520 ± 1      | •     |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 962375528                         | 962375528 ± 1       |       |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                | 86                  |       |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                 | 1                   | •     |
| Rte Call Sa CmMtrCurr NxtrDiagMgr SetNTCStatus(Status Cnt T enum)    | 0                                 | 0                   |       |



| Test Step Call Trace                           |       |                                                |       | <b>✓</b> |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | •        |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~        |

| Test Step 2.21 (Repeat Count = 1)                                    |                                         |                     | *      |
|----------------------------------------------------------------------|-----------------------------------------|---------------------|--------|
| Name                                                                 | Input Value                             |                     |        |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 50.1815834                              |                     |        |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.452199996                             |                     |        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 0                                       |                     |        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 2684354560                              |                     |        |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr               |                     |        |
| k_CurrCorrErrThresh_Amps_f32                                         | 16.0492477                              |                     |        |
| k_CurrOffGainKn_Cnt_u16                                              | 2558                                    |                     |        |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 2.5                                     |                     |        |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 1.38939023                              |                     |        |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.999984741                             |                     |        |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 1                                       |                     |        |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | -203.157333                             |                     |        |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | 213.124634                              |                     |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_   | f32                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_   | f32                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_ | Rev_f32             |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f3  | 32                  |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32    |                     |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32    |                     |        |
| Name                                                                 | Actual Value                            | Expected Value      | Result |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -64.3875122                             | -64.3875198 ± 0.001 | -      |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 0.0975341797                            | 0.0975341797 ± 32   | -      |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 4.85900879                              | 4.85900879 ± 32     | -      |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 52387840                                | 52387840 ± 1        | -      |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 2608691478                              | 2608691478 ± 1      | -      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                      | 86                  | -      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                       | 1                   | -      |
|                                                                      |                                         |                     |        |

| Test Step Call Trace                           |       |                                                |       |        |  |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|--|
| Actual Function                                | Count | Expected Function                              | Count | Result |  |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |  |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | •      |  |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~      |  |

| Test Step 2.22 (Repeat Count = 1)                                    |                                   |                   | V        |
|----------------------------------------------------------------------|-----------------------------------|-------------------|----------|
| Name                                                                 | Input Value                       |                   |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 156.599319                        |                   |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.476000011                       |                   |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 0                                 |                   |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1610612736                        |                   |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr         |                   |          |
| k_CurrCorrErrThresh_Amps_f32                                         | 8.68155479                        |                   |          |
| k_CurrOffGainKn_Cnt_u16                                              | 50024                             |                   |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 3                                 |                   |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 0                                 |                   |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.819194317                       |                   |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.161382675                       |                   |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | 65.6777344                        |                   |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | 205.884918                        |                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_\  | /olts_f32         |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_\  | /olts_f32         |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPos | ition_Rev_f32     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_R | Rev_f32           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp  | o_f32             |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp  | o_f32             |          |
| Name                                                                 | Actual Value                      | Expected Value    | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 101.157906                        | 101.15789 ± 0.001 | ~        |
|                                                                      |                                   |                   | <b>✓</b> |

 $Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Status\_Cnt\_T\_enum)$ 

2016-07-24, 12:37:12+0530



| Name                                                              | Actual Value | Expected Value   | Result |
|-------------------------------------------------------------------|--------------|------------------|--------|
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                 | 2.28991699   | 2.28991699 ± 32  |        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                 | 0.710083008  | 0.710083008 ± 32 | ~      |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                           | 1229389824   | 1229389824 ± 1   | ~      |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                           | 381222912    | 381222912 ± 1    | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)    | 86           | 86               | •      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)   | 1            | 1                | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) | 1            | 1                | ~      |

| Test Step Call Trace                           |       |                                                |       |        |  |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|--|
| Actual Function                                | Count | Expected Function                              | Count | Result |  |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |  |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | •      |  |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~      |  |

| Test Step 2.23 (Repeat Count = 1)                                    |                                          |                    | <b>✓</b> |
|----------------------------------------------------------------------|------------------------------------------|--------------------|----------|
| Name                                                                 | Input Value                              |                    |          |
| CmMtrCurr CurrCorrDiagKSV M str.SV Uls f32                           | -26.5879002                              |                    |          |
| CmMtrCurr CurrCorrDiagKSV M str.K Uls f32                            | 0.499799997                              |                    |          |
| CmMtrCurr MtrCurr1LpFltrSV Volt M u3p29                              | 2684354560                               |                    |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 0                                        |                    |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr                |                    |          |
| k_CurrCorrErrThresh_Amps_f32                                         | 33.2219505                               |                    |          |
| k_CurrOffGainKn_Cnt_u16                                              | 4837                                     |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 0.904503107                              |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 3                                        |                    |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.999984741                              |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 1                                        |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | 176.675385                               |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | 164.269547                               |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt CmMtrCurr Per2 ADCMtrCurr1 Volts f32 |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_    | f32                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_  | Rev_f32            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f3   | 32                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32     |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32     |                    |          |
| Name                                                                 | Actual Value                             | Expected Value     | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 74.9952164                               | 74.9952164 ± 0.001 | ~        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 4.69763184                               | 4.69763184 ± 32    | ~        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 0.221313477                              | 0.221313477 ± 32   | ~        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 2522068373                               | 2522068373 ± 1     | ~        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 118874112                                | 118874112 ± 1      | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                       | 86                 | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                        | 1                  | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)    | 1                                        | 1                  | ~        |

| Test Step Call Trace                           |       |                                                |       |        |  |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|--|
| Actual Function                                | Count | Expected Function                              | Count | Result |  |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |  |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | ~      |  |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~      |  |

| Test Step 2.24 (Repeat Count = 1)                    |                           | <b>✓</b> |
|------------------------------------------------------|---------------------------|----------|
| Name                                                 | Input Value               |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32           | -53.1758003               |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32            | 0.523599982               |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29              | 536870912                 |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29              | 1610612736                |          |
| Rte_Inst_Sa_CmMtrCurr                                | tgt_Rte_Inst_Sa_CmMtrCurr |          |
| k_CurrCorrErrThresh_Amps_f32                         | 0.101317763               |          |
| k_CurrOffGainKn_Cnt_u16                              | 41273                     |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value       | 1.38626862                |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value       | 1.5                       |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value | 0.999984741               |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value        | 0.820073366               |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value           | -69.8886566               |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value           | 10.5567312                |          |

2016-07-24, 12:37:12+0530



Name
tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_ADCMtrCurr1\_Volts\_f32
tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_ADCMtrCurr2\_Volts\_f32
tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_ADCMtrCurr2\_Volts\_f32
tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_CorrMtrCurrPosition\_Rev\_f32
tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_MtrCurrAngle\_Rev\_f32
tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_MtrCurrAngle\_Rev\_f32
tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_MtrCurrK1\_Amp\_f32
tgt\_Rte\_Inst\_Sa\_CmMtrCurr\_CmMtrCurr\_Per2\_MtrCurrX1\_Amp\_f32
tgt\_Rte\_Inst\_Sa\_CmMtrCurr\_CmMtrCurr\_Per2\_MtrCurrX2\_Amp\_f32
tgt\_Rte\_Inst\_Sa\_CmMtrCurr\_CmMtrCurr\_Per2\_MtrCurrX2\_Amp\_f32
tgt\_Rte\_Inst\_Sa\_CmMtrCurr\_CmMtrCurr\_Per2\_MtrCurrX2\_Amp\_f32
tgt\_Rte\_Inst\_Sa\_CmMtrCurr\_CmMtrCurr\_Per2\_MtrCurrX2\_Amp\_f32
tgt\_Rte\_Inst\_Sa\_CmMtrCurr\_Per2\_MtrCurrX2\_Amp\_f32
tgt\_Rte\_Inst\_Sa\_CmMtrCurr\_Per2\_MtrCurrX2\_Amp\_f32

| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32        | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32 |                     |        |
|-------------------------------------------------------------------|--------------------------------------|---------------------|--------|
| Name                                                              | Actual Value                         | Expected Value      | Result |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                        | -45.9264488                          | -45.9264565 ± 0.001 | ~      |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                 | 1.24316406                           | 1.24316406 ± 32     | ~      |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                 | 2.05529785                           | 2.05529785 ± 32     | ~      |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                           | 667458684                            | 667458684 ± 1       | ~      |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                           | 1103450112                           | 1103450112 ± 1      | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)    | 86                                   | 86                  | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)   | 1                                    | 1                   | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) | 1                                    | 1                   | ~      |

| Test Step Call Trace                           |       |                                                |       |          |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | ~        |
| Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | <b>✓</b> |

| T4 04 0 05 (D4 04 )                                                  |                                        |                     |          |
|----------------------------------------------------------------------|----------------------------------------|---------------------|----------|
| Test Step 2.25 (Repeat Count = 1)                                    | Immut Value                            |                     | ~        |
| Name                                                                 | Input Value                            |                     |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_UIs_f32                           | -79.7637024                            |                     |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.547399998                            |                     |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 0                                      |                     |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 2147483648                             |                     |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr              |                     |          |
| k_CurrCorrErrThresh_Amps_f32                                         | 38.5240631                             |                     |          |
| k_CurrOffGainKn_Cnt_u16                                              | 45017                                  |                     |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 3                                      |                     |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 1.62952256                             |                     |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.812763333                            |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 1                                      |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | -168.295731                            |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | 67.0593872                             |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts   | s_f32               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts   | s_f32               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosition | n_Rev_f32           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_   | _f32                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f3    | 2                   |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f3    | 32                  |          |
| Name                                                                 | Actual Value                           | Expected Value      | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -105.387314                            | -105.387337 ± 0.001 | ~        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 2.06066895                             | 2.06066895 ± 32     | <b>✓</b> |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 2.37158203                             | 2.37158203 ± 32     | ~        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1106337792                             | 1106337792 ± 1      | ✓        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1273298525                             | 1273298525 ± 1      | <b>✓</b> |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                     | 86                  | <b>✓</b> |

| Test Step Call Trace                           |       |                                                |       |          |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | <b>✓</b> |
| Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | <b>✓</b> |

| Test Step 2.26 (Repeat Count = 1)          |                           | ✓ |
|--------------------------------------------|---------------------------|---|
| Name                                       | Input Value               |   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32 | -106.351601               |   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32  | 0.571200013               |   |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29    | 2684354560                |   |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29    | 1073741824                |   |
| Rte_Inst_Sa_CmMtrCurr                      | tgt_Rte_Inst_Sa_CmMtrCurr |   |

Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Param\_Cnt\_T\_u08)
Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Status\_Cnt\_T\_enum)

CmMtrCurr\_Per2

2016-07-24, 12:37:12+0530



Input Value k\_CurrCorrErrThresh\_Amps\_f32 26.3857727 k\_CurrOffGainKn\_Cnt\_u16 50983 tgt\_CmMtrCurr\_Per2\_ADCMtrCurr1\_Volts\_f32.value 1.92261362  $tgt\_CmMtrCurr\_Per2\_ADCMtrCurr2\_Volts\_f32.value$ tgt\_CmMtrCurr\_Per2\_CorrMtrCurrPosition\_Rev\_f32.value 0.999984741  $tgt\_CmMtrCurr\_Per2\_MtrCurrAngle\_Rev\_f32.value$ 0.229246616 tgt\_CmMtrCurr\_Per2\_MtrCurrK1\_Amp\_f32.value -32.3394508  $tgt\_CmMtrCurr\_Per2\_MtrCurrK2\_Amp\_f32.value$ -18.6036739 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_ADCMtrCurr1\_Volts\_f32 tgt\_CmMtrCurr\_Per2\_ADCMtrCurr1\_Volts\_f32  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_ADCMtrCurr2\_Volts\_f32$ tgt\_CmMtrCurr\_Per2\_ADCMtrCurr2\_Volts\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_CorrMtrCurrPosition\_Rev\_f32 tgt\_CmMtrCurr\_Per2\_CorrMtrCurrPosition\_Rev\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_MtrCurrAngle\_Rev\_f32 tgt\_CmMtrCurr\_Per2\_MtrCurrAngle\_Rev\_f32 tgt\_Rte\_Inst\_Sa\_CmMtrCurr.CmMtrCurr\_Per2\_MtrCurrK1\_Amp\_f32 tgt\_CmMtrCurr\_Per2\_MtrCurrK1\_Amp\_f32

| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32        | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32 |                     |          |
|-------------------------------------------------------------------|--------------------------------------|---------------------|----------|
| Name                                                              | Actual Value                         | Expected Value      | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                        | -58.5432968                          | -58.5433121 ± 0.001 | ~        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                 | 2.60595703                           | 2.60595703 ± 32     | ~        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                 | 2.77783203                           | 2.77783203 ± 32     | ~        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                           | 1399073130                           | 1399073130 ± 1      | ~        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                           | 1491394560                           | 1491394560 ± 1      | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)    | 86                                   | 86                  | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)   | 1                                    | 1                   | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) | 1                                    | 1                   | <b>✓</b> |

| Test Step Call Trace                           |       |                                                |       |        |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|
| Actual Function                                | Count | Expected Function                              | Count | Result |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | ~      |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~      |

| Test Step 2.27 (Repeat Count = 1)                                    |                                          |                    | V        |
|----------------------------------------------------------------------|------------------------------------------|--------------------|----------|
| Name                                                                 | Input Value                              |                    |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -132.939499                              |                    |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.595000029                              |                    |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 536870912                                |                    |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1610612736                               |                    |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr                |                    |          |
| k_CurrCorrErrThresh_Amps_f32                                         | 43.4733124                               |                    |          |
| k_CurrOffGainKn_Cnt_u16                                              | 26553                                    |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 0.92788434                               |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 1.00496554                               |                    |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.999984741                              |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 1                                        |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | 120.274055                               |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | -150.961716                              |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f   | 32                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f   | 32                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_F | Rev_f32            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f3:  | 2                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32     |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32     |                    |          |
| Name                                                                 | Actual Value                             | Expected Value     | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 17.7312012                               | 17.7311745 ± 0.001 | ~        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 0.970703125                              | 0.970703125 ± 32   | <b>✓</b> |

| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                 | 0.970703125 | 0.970703125 ± 32 | • |
|-------------------------------------------------------------------|-------------|------------------|---|
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                 | 2.19152832  | 2.19152832 ± 32  | • |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                           | 521178089   | 521178089 ± 1    | • |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                           | 1176630504  | 1176630504 ± 1   | • |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)    | 86          | 86               | • |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)   | 1           | 1                | • |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) | 0           | 0                | • |
|                                                                   |             |                  |   |
| Total Otom Coll Turns                                             |             |                  |   |

| Test Step Call Trace                           |       |                                                |       |        |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|
| Actual Function                                | Count | Expected Function                              | Count | Result |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | •      |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | •      |





| Test Step 2.28 (Repeat Count = 1)                                    |                                     |                     | <b>✓</b> |
|----------------------------------------------------------------------|-------------------------------------|---------------------|----------|
| Name                                                                 | Input Value                         |                     |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -159.527405                         |                     |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.618799984                         |                     |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 536870912                           |                     |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 0                                   |                     |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr           |                     |          |
| k_CurrCorrErrThresh_Amps_f32                                         | 47.005188                           |                     |          |
| k_CurrOffGainKn_Cnt_u16                                              | 0                                   |                     |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 3                                   |                     |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 2.21622896                          |                     |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.999984741                         |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 1                                   |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | -62.0760345                         |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | 63.5916023                          |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Vc   | lts_f32             |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Vo   | lts_f32             |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosit | on_Rev_f32          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Re  | v_f32               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_   | f32                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_   | <u>f</u> 32         |          |
| Name                                                                 | Actual Value                        | Expected Value      | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -99.2282715                         | -99.2282715 ± 0.001 | ~        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 1                                   | 1 ± 32              | <b>✓</b> |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 0                                   | 0 ± 32              | <b>✓</b> |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 536870912                           | 536870912 ± 1       | <b>✓</b> |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 0                                   | 0 ± 1               | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                  | 86                  | <b>✓</b> |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                   | 1                   | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)    | 1                                   | 1                   | <b>✓</b> |

| Test Step Call Trace                           |       |                                                |       | V        |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | •        |
| Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | <b>✓</b> |

| Test Step 2.29 (Repeat Count = 1)                                    |                                   |                     | <b>✓</b> |
|----------------------------------------------------------------------|-----------------------------------|---------------------|----------|
| Name                                                                 | Input Value                       |                     |          |
| CmMtrCurr CurrCorrDiagKSV M str.SV Uls f32                           | -186.115295                       |                     |          |
| CmMtrCurr CurrCorrDiagKSV M str.K UIs f32                            | 0.6426                            |                     |          |
| CmMtrCurr MtrCurr1LpFltrSV Volt M u3p29                              | 2147483648                        |                     |          |
| CmMtrCurr MtrCurr2LpFltrSV Volt M u3p29                              | 2147483648                        |                     |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr         |                     |          |
| k_CurrCorrErrThresh_Amps_f32                                         | 34.5885811                        |                     |          |
| k_CurrOffGainKn_Cnt_u16                                              | 65535                             |                     |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 0.274205923                       |                     |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 0.177897692                       |                     |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.446646333                       |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.695452809                       |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | -38.3095245                       |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | 50.1815834                        |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_V  | olts_f32            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_V  | olts_f32            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPos | tion_Rev_f32        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_R | ev_f32              |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp  | _f32                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp  | _f32                |          |
| Name                                                                 | Actual Value                      | Expected Value      | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -56.8425293                       | -56.8425522 ± 0.001 | -        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 0.274169922                       | 0.274169922 ± 32    | <b>✓</b> |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 0.177856445                       | 0.177856445 ± 32    | -        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 147224378                         | 147224378 ± 1       | •        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 95517263                          | 95517263 ± 1        |          |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                | 86                  | ·        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                 | 1                   | -        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)    | 1                                 | 1                   | •        |





| Test Step Call Trace                           |       |                                                |       |        |  |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|--|
| Actual Function                                | Count | Expected Function                              | Count | Result |  |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |  |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | •      |  |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~      |  |

| Test Step 2.30 (Repeat Count = 1)                                    | Invest Malace                       |                    |          |
|----------------------------------------------------------------------|-------------------------------------|--------------------|----------|
| Name                                                                 | Input Value                         |                    |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -212.703201                         |                    |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.666400015                         |                    |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 2684354560                          |                    |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 536870912                           |                    |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr           |                    |          |
| k_CurrCorrErrThresh_Amps_f32                                         | 48.6138496                          |                    |          |
| k_CurrOffGainKn_Cnt_u16                                              | 1462                                |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 0.532531261                         |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 3                                   |                    |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.999984741                         |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.298491478                         |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | 109.679703                          |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | 156.599319                          |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Vd   | olts_f32           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Vd   | olts_f32           |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosit | ion_Rev_f32        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Re  | ev_f32             |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_   | <u>f</u> 32        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_   | <u>f</u> 32        |          |
| Name                                                                 | Actual Value                        | Expected Value     | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 6.6769104                           | 6.67689991 ± 0.001 | -        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 4.90026855                          | 4.02636719 ± 32    | <b>✓</b> |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 1.04455566                          | 1.43579102 ± 32    | <b>✓</b> |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 2630848284                          | 2630848284 ± 1     | <b>✓</b> |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 560824320                           | 560824320 ± 1      | •        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                  | 86                 | •        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                   | 1                  | -        |
| Rte Call Sa CmMtrCurr NxtrDiagMgr SetNTCStatus(Status Cnt T enum)    | 0                                   | 0                  | <b>✓</b> |

| Test Step Call Trace                           |       |                                                |       |        |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|
| Actual Function                                | Count | Expected Function                              | Count | Result |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | •      |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~      |

| Input Value                   |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| -58.029438                    |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 0.690199971                   |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 536870912                     |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 0                             |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| tgt_Rte_Inst_Sa_CmMtrCurr     |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 9.27418709                    |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 21237                         |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 1.58795404                    |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 1.87979484                    |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 0.999984741                   |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 0.959956527                   |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| -27.4667473                   |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| -58.029438                    |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| tgt_CmMtrCurr_Per2_ADCMtrCu   | rr1_Volts_f32                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                               |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| tgt_CmMtrCurr_Per2_CorrMtrCur | rrPosition_Rev_f32                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                               | ~ <del></del>                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                               |                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| tgt_CmMtrCurr_Per2_MtrCurrK2_ | _Amp_f32                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Actual Value                  | Expected Value                                                                                                                                                                                                                                                                                                                                                                                    | Resul                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| -26.3629303                   | -26.3629189 ± 0.001                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                               | -58.029438 0.690199971 536870912 0 tgt_Rte_Inst_Sa_CmMtrCurr 9.27418709 21237 1.58795404 1.87979484 0.999984741 0.959956527 -27.4667473 -58.029438 tgt_CmMtrCurr_Per2_ADCMtrCutgt_CmMtrCurr_Per2_ADCMtrCutgt_CmMtrCurr_Per2_ADCMtrCutgt_CmMtrCurr_Per2_MtrCurrAnttgt_CmMtrCurr_Per2_MtrCurrK1 tgt_CmMtrCurr_Per2_MtrCurrK1 tgt_CmMtrCurr_Per2_MtrCurrK1 tgt_CmMtrCurr_Per2_MtrCurrK2 Actual Value | -58.029438 0.690199971 536870912 0 tgt_Rte_inst_Sa_CmMtrCurr 9.27418709 21237 1.58795404 1.87979484 0.999984741 0.959956527 -27.4667473 -58.029438 tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32 tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per2_CorrMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per2_CorrMtrCurrAngle_Rev_f32 tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32 tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32 tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32 Actual Value  Expected Value |

2016-07-24, 12:37:12+0530



| Name                                                              | Actual Value | Expected Value   | Result |
|-------------------------------------------------------------------|--------------|------------------|--------|
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                 | 1.19042969   | 1.19042969 ± 32  |        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                 | 0.609130859  | 0.609130859 ± 32 | ~      |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                           | 639148304    | 639148304 ± 1    | ~      |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                           | 327028563    | 327028563 ± 1    | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)    | 86           | 86               | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)   | 1            | 1                | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) | 1            | 1                | ~      |

| Test Step Call Trace                           |       |                                                |       |        |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|
| Actual Function                                | Count | Expected Function                              | Count | Result |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | •      |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~      |

| Test Step 2.32 (Repeat Count = 1)                                    |                                       |                     | <b>✓</b> |  |
|----------------------------------------------------------------------|---------------------------------------|---------------------|----------|--|
| Name                                                                 | Input Value                           |                     |          |  |
| CmMtrCurr CurrCorrDiagKSV M str.SV Uls f32                           | -196.57901                            | -196.57901          |          |  |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.713999987                           |                     |          |  |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1073741824                            |                     |          |  |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 2684354560                            |                     |          |  |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr             |                     |          |  |
| k_CurrCorrErrThresh_Amps_f32                                         | 13.8972406                            |                     |          |  |
| k_CurrOffGainKn_Cnt_u16                                              | 4522                                  |                     |          |  |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 0.92795682                            |                     |          |  |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 2.1825614                             |                     |          |  |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.912940741                           |                     |          |  |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.438818216                           |                     |          |  |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | 97.4464111                            |                     |          |  |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | -196.57901                            |                     |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volt   | s_f32               |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volt   | s_f32               |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPositio | n_Rev_f32           |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev   | _f32                |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f3   | 32                  |          |  |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f3   | 32                  |          |  |
| Name                                                                 | Actual Value                          | Expected Value      | Result   |  |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -210.370193                           | -210.370209 ± 0.001 | ~        |  |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 1.92590332                            | 1.92590332 ± 32     | ~        |  |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 4.80554199                            | 4.80554199 ± 32     | ~        |  |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1034025098                            | 1034025098 ± 1      | ~        |  |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 2579982278                            | 2579982278 ± 1      | ~        |  |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                    | 86                  | ~        |  |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                     | 1                   | •        |  |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)    | 1                                     | 1                   | <b>✓</b> |  |

| Test Step Call Trace                           |       |                                                |       | <b>✓</b> |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | ~        |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~        |

| Name                                                 | Input Value               |  |
|------------------------------------------------------|---------------------------|--|
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32           | 3.06476951                |  |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32            | 0.737800002               |  |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29              | 2684354560                |  |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29              | 2147483648                |  |
| Rte_Inst_Sa_CmMtrCurr                                | tgt_Rte_Inst_Sa_CmMtrCurr |  |
| k_CurrCorrErrThresh_Amps_f32                         | 43.7783852                |  |
| k_CurrOffGainKn_Cnt_u16                              | 19622                     |  |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value       | 2.41063404                |  |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value       | 1.50643945                |  |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value | 0.999984741               |  |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value        | 1                         |  |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value           | 3.47298574                |  |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value           | 3.06476951                |  |

2016-07-24, 12:37:12+0530



CmMtrCurr\_Per2

| Name                                                                 | Input Value                              |                    |        |
|----------------------------------------------------------------------|------------------------------------------|--------------------|--------|
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f   | 32                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f   | 32                 |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_F | Rev_f32            |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f3   | 2                  |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32     |                    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32     |                    |        |
| Name                                                                 | Actual Value                             | Expected Value     | Result |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 3.36573434                               | 3.36573458 ± 0.001 | ~      |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 4.22460938                               | 4.22460938 ± 32    | ~      |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 3.2532959                                | 3.2532959 ± 32     | ~      |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 2268113074                               | 2268113074 ± 1     | ~      |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1746645432                               | 1746645432 ± 1     | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                       | 86                 | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                        | 1                  | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)    | 0                                        | 0                  | ~      |

| Test Step Call Trace                           |       |                                                |       | <b>✓</b> |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | ~        |
| Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | <b>✓</b> |

| Test Step 2.34 (Repeat Count = 1)                                    |                                   |                     | •     |
|----------------------------------------------------------------------|-----------------------------------|---------------------|-------|
| Name                                                                 | Input Value                       |                     |       |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 15.1601372                        |                     |       |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.833000004                       |                     |       |
| CmMtrCurr_MtrCurr1LpFitrSV_Volt_M_u3p29                              | 1610612736                        |                     |       |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1610612736                        |                     |       |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr         |                     |       |
| k_CurrCorrErrThresh_Amps_f32                                         | 0                                 |                     |       |
| k_CurrOffGainKn_Cnt_u16                                              | 28270                             |                     |       |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 0.651072025                       |                     |       |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 1.74298286                        |                     |       |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.999984741                       |                     |       |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 1                                 |                     |       |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | -79.3352432                       |                     |       |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | 15.1601372                        |                     |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_\  | Volts_f32           |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_\  | Volts_f32           |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPos | sition_Rev_f32      |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_F | Rev_f32             |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp  | p_f32               |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp  | p_f32               |       |
| Name                                                                 | Actual Value                      | Expected Value      | Resul |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -63.5557289                       | -63.5557251 ± 0.001 | •     |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 1.98669434                        | 1.98669434 ± 32     | •     |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 2.4576416                         | 2.4576416 ± 32      | •     |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1066613126                        | 1066613126 ± 1      | •     |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1319488276                        | 1319488276 ± 1      | •     |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                | 86                  | •     |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                 | 1                   |       |

| Test Step Call Trace                           |       |                                                |       | <b>✓</b> |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | <b>✓</b> |
| Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | <b>/</b> |

| Test Step 2.35 (Repeat Count = 1)          |                           | ✓ |
|--------------------------------------------|---------------------------|---|
| Name                                       | Input Value               |   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32 | -207.033417               |   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32  | 0.85680002                |   |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29    | 1073741824                |   |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29    | 536870912                 |   |
| Rte_Inst_Sa_CmMtrCurr                      | tgt_Rte_Inst_Sa_CmMtrCurr |   |

 $Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Status\_Cnt\_T\_enum)$ 

2016-07-24, 12:37:12+0530



| Name                                                                 | Input Value                              |                    |          |
|----------------------------------------------------------------------|------------------------------------------|--------------------|----------|
| k_CurrCorrErrThresh_Amps_f32                                         | 50                                       |                    |          |
| k_CurrOffGainKn_Cnt_u16                                              | 50210                                    |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 0.996415377                              |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 3                                        |                    |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.999984741                              |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 1                                        |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | 130.770233                               |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | -207.033417                              |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f   | 32                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f   | 32                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_F | Rev_f32            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f3:  | 2                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32     |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32     |                    |          |
| Name                                                                 | Actual Value                             | Expected Value     | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 82.4137878                               | 82.4137497 ± 0.001 | ~        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 1.23095703                               | 1.23095703 ± 32    | <b>✓</b> |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 2.53222656                               | 2.53222656 ± 32    | <b>✓</b> |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 660915204                                | 660915204 ± 1      | ~        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1359511552                               | 1359511552 ± 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                       | 86                 | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                        | 1                  | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)    | 1                                        | 1                  | ~        |

| Test Step Call Trace                           |       |                                                |       | V        |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | <b>✓</b> |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~        |

| Test Step 2.36 (Repeat Count = 1)                                    |                                  |                     | <b>~</b> |
|----------------------------------------------------------------------|----------------------------------|---------------------|----------|
| Name                                                                 | Input Value                      |                     |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 96.1475372                       |                     |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.880599976                      |                     |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1610612736                       |                     |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1073741824                       |                     |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr        |                     |          |
| k_CurrCorrErrThresh_Amps_f32                                         | 26.3857727                       |                     |          |
| k_CurrOffGainKn_Cnt_u16                                              | 46738                            |                     |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 2.43182087                       |                     |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 2.29319811                       |                     |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.999984741                      |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 1                                |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | -143.090927                      |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | 96.1475372                       |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_  | _Volts_f32          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_  | _Volts_f32          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPo | osition_Rev_f32     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_ | _Rev_f32            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_An  | np_f32              |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_An  | np_f32              |          |
| Name                                                                 | Actual Value                     | Expected Value      | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -114.533981                      | -114.533974 ± 0.001 | •        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 2.59472656                       | 2.59472656 ± 32     | •        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 2.20898438                       | 2.20898438 ± 32     | •        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1393047346                       | 1393047346 ± 1      | •        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1185959762                       | 1185959762 ± 1      | •        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                               | 86                  | •        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                | 1                   | •        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)    | 1                                | 1                   | •        |

| Test Step Call Trace                           |       |                                                |       |        |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|
| Actual Function                                | Count | Expected Function                              | Count | Result |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | ~      |
| Rte Call CmMtrCurr Per2 CP1 ChecknointReached  | 1     | Rte Call CmMtrCurr Per2 CP1 ChecknointReached  | 1     | _      |

 $Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Status\_Cnt\_T\_enum)$ 





| Test Step 2.37 (Repeat Count = 1)                                    |                                        |                     | ~     |
|----------------------------------------------------------------------|----------------------------------------|---------------------|-------|
| Name                                                                 | Input Value                            |                     |       |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -220                                   |                     |       |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.904399991                            |                     |       |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 2147483648                             |                     |       |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1610612736                             |                     |       |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr              |                     |       |
| k_CurrCorrErrThresh_Amps_f32                                         | 8.83558655                             |                     |       |
| k_CurrOffGainKn_Cnt_u16                                              | 46642                                  |                     |       |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 3                                      |                     |       |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 0.146819592                            |                     |       |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.6219033                              |                     |       |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.115699999                            |                     |       |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | 209.150772                             |                     |       |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | 67.0593872                             |                     |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts   | _f32                |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts   | _f32                |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosition | _Rev_f32            |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_   | f32                 |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32   | 2                   |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32   | 2                   |       |
| Name                                                                 | Actual Value                           | Expected Value      | Resul |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -96.2152176                            | -96.2152328 ± 0.001 | •     |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 3.28820801                             | 3.28820801 ± 32     |       |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 0.969238281                            | 0.969238281 ± 32    |       |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1765392384                             | 1765392384 ± 1      |       |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 520402628                              | 520402628 ± 1       | •     |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                     | 86                  |       |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                      | 1                   |       |
|                                                                      |                                        |                     |       |

| Test Step Call Trace                           |       |                                                |       |          |  |  |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|--|--|
| Actual Function                                | Count | Expected Function                              | Count | Result   |  |  |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |  |  |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | •        |  |  |
| Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | <b>✓</b> |  |  |

| Test Step 2.38 (Repeat Count = 1)                                    |                                        |                    | <b>~</b> |
|----------------------------------------------------------------------|----------------------------------------|--------------------|----------|
| Name                                                                 | Input Value                            |                    |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 220                                    |                    |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.928200006                            |                    |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 2684354560                             |                    |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 2147483648                             |                    |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr              |                    |          |
| k_CurrCorrErrThresh_Amps_f32                                         | 21.3016624                             |                    |          |
| k_CurrOffGainKn_Cnt_u16                                              | 18790                                  |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 1.92261362                             |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 1.53049707                             |                    |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.591161489                            |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.231399998                            |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | 119.292099                             |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | -18.6036739                            |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Vol     | ts_f32             |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Vol     | ts_f32             |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosition | on_Rev_f32         |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev    | _f32               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f     | 32                 |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f     | 32                 |          |
| Name                                                                 | Actual Value                           | Expected Value     | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 80.051651                              | 80.0516663 ± 0.001 | •        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 4.11755371                             | 4.11755371 ± 32    | •        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 3.29187012                             | 3.29187012 ± 32    | •        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 2210658660                             | 2210658660 ± 1     | •        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1767343158                             | 1767343158 ± 1     | •        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                     | 86                 | •        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                      | 1                  | •        |
| Rte Call Sa CmMtrCurr NxtrDiagMgr SetNTCStatus(Status Cnt T enum)    | 1                                      | 1                  | •        |



| Test Step Call Trace                           |       |                                                |       |        |  |  |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|--|--|
| Actual Function                                | Count | Expected Function                              | Count | Result |  |  |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |  |  |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | ~      |  |  |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~      |  |  |

| Test Step 2.39 (Repeat Count = 1)                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     | <b>✓</b> |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------|
| Name                                                                 | Input Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.952000022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |          |
| CmMtrCurr_MtrCurr1LpFitrSV_Volt_M_u3p29                              | 2147483648                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 2684354560                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |          |
| k_CurrCorrErrThresh_Amps_f32                                         | 16.0492477                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |          |
| k_CurrOffGainKn_Cnt_u16                                              | 20757                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 0.92788434                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 0.54530549                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.999984741                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.34709999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | -52.158802                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | -150.961716                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _Volts_f32          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _Volts_f32          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurrPer2_CorrMtrCurr | osition_Rev_f32     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | _Rev_f32            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Ar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | mp_f32              |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Ar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | mp_f32              |          |
| Name                                                                 | Actual Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Expected Value      | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -89.3500671                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -89.3501587 ± 0.001 | ~        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 3.02685547                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3.02685547 ± 32     | <b>✓</b> |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 3.58898926                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3.58898926 ± 32     | <b>✓</b> |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1625092229                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1625092229 ± 1      | ✓        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1926869359                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1926869359 ± 1      | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 86                  | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                   | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)    | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                   | <b>✓</b> |

| Test Step Call Trace                           |       |                                                |       |        |  |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|--|
| Actual Function                                | Count | Expected Function                              | Count | Result |  |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |  |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | •      |  |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~      |  |

| Name                                                                 | Input Value                     |                    |       |
|----------------------------------------------------------------------|---------------------------------|--------------------|-------|
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 63.5916023                      |                    |       |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.975799978                     |                    |       |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1610612736                      |                    |       |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 2147483648                      |                    |       |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr       |                    |       |
| k_CurrCorrErrThresh_Amps_f32                                         | 8.68155479                      |                    |       |
| k_CurrOffGainKn_Cnt_u16                                              | 9765                            |                    |       |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 3                               |                    |       |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 2.67675209                      |                    |       |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.619235039                     |                    |       |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.462799996                     |                    |       |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | -6.287848                       |                    |       |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | 63.5916023                      |                    |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1  | _Volts_f32         |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2  | _Volts_f32         |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrP | osition_Rev_f32    |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle | _Rev_f32           |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_A  | mp_f32             |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_A  | mp_f32             |       |
| Name                                                                 | Actual Value                    | Expected Value     | Resul |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 26.787365                       | 26.7873535 ± 0.001 | •     |

2016-07-24, 12:37:12+0530



| Name                                                              | Actual Value | Expected Value  | Result |
|-------------------------------------------------------------------|--------------|-----------------|--------|
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                 | 3            | 3 ± 32          |        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                 | 3.80273438   | 3.80273438 ± 32 | ~      |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                           | 1610612736   | 1610612736 ± 1  | ~      |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                           | 2041621283   | 2041621283 ± 1  | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)    | 86           | 86              | •      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)   | 1            | 1               | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) | 1            | 1               | ~      |

| Test Step Call Trace                           |       |                                                |       |        |  |  |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|--|--|
| Actual Function                                | Count | Expected Function                              | Count | Result |  |  |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |  |  |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | -      |  |  |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | -      |  |  |

| Test Step 2.41 (Repeat Count = 1)                                    |                                        |                    | ✓        |
|----------------------------------------------------------------------|----------------------------------------|--------------------|----------|
| Name                                                                 | Input Value                            |                    |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -169.648697                            |                    |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.999599993                            |                    |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 1073741824                             |                    |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1610612736                             |                    |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr              |                    |          |
| k_CurrCorrErrThresh_Amps_f32                                         | 33.2219505                             |                    |          |
| k_CurrOffGainKn_Cnt_u16                                              | 21154                                  |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 0.274205923                            |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 1.0516994                              |                    |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.751632094                            |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.578499973                            |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | 21.2320423                             |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | 50.1815834                             |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts   | s_f32              |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts   | s_f32              |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosition | n_Rev_f32          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_   | <u>f</u> 32        |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f3    | 2                  |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f3    | 2                  |          |
| Name                                                                 | Actual Value                           | Expected Value     | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 33.6289978                             | 33.6289787 ± 0.001 | ~        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 1.44287109                             | 1.44287109 ± 32    | ~        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 2.37109375                             | 2.37109375 ± 32    | ~        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 774666572                              | 774666572 ± 1      | ~        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1272973742                             | 1272973742 ± 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                     | 86                 | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                      | 1                  | ~        |
| Rte Call Sa CmMtrCurr NxtrDiagMgr SetNTCStatus(Status Cnt T enum)    | 1                                      | 1                  | <b>✓</b> |

| Test Step Call Trace                           |       |                                                |       |        |  |  |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|--|--|
| Actual Function                                | Count | Expected Function                              | Count | Result |  |  |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |  |  |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | •      |  |  |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~      |  |  |

| Test Step 2.42 (Repeat Count = 1)                    |                           | <b>✓</b> |
|------------------------------------------------------|---------------------------|----------|
| Name                                                 | Input Value               |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32           | -51.3600006               |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32            | 0                         |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29              | 536870912                 |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29              | 1073741824                |          |
| Rte_Inst_Sa_CmMtrCurr                                | tgt_Rte_Inst_Sa_CmMtrCurr |          |
| k_CurrCorrErrThresh_Amps_f32                         | 0.101317763               |          |
| k_CurrOffGainKn_Cnt_u16                              | 31270                     |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value       | 0.532531261               |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value       | 0.904856682               |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value | 0.802072763               |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value        | 0.694199979               |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value           | 77.2116165                |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value           | 156.599319                |          |



CmMtrCurr\_Per2

| Name                                                                 | Input Value                              |                     |        |
|----------------------------------------------------------------------|------------------------------------------|---------------------|--------|
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f3  | 32                  |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f3  | 32                  |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_F | Rev_f32             |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32  | 2                   |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32     |                     |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32     |                     |        |
| Name                                                                 | Actual Value                             | Expected Value      | Result |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -51.3600006                              | -51.3600006 ± 0.001 | ~      |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 0.776855469                              | 0.776855469 ± 32    | ~      |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 1.47741699                               | 1.47741699 ± 32     | ~      |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 417106812                                | 417106812 ± 1       | ~      |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 793187384                                | 793187384 ± 1       | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                       | 86                  | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                                        | 1                   | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)    | 1                                        | 1                   | ~      |

| Test Step Call Trace                           |       |                                                |       | V      |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|
| Actual Function                                | Count | Expected Function                              | Count | Result |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | ~      |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | ~      |

| Test Step 2.43 (Repeat Count = 1)                                    |                                      |                     | <b>✓</b> |
|----------------------------------------------------------------------|--------------------------------------|---------------------|----------|
| Name                                                                 | Input Value                          |                     |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 45.6899986                           |                     |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.999984741                          |                     |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 0                                    |                     |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 536870912                            |                     |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr            |                     |          |
| k_CurrCorrErrThresh_Amps_f32                                         | 38.5240631                           |                     |          |
| k_CurrOffGainKn_Cnt_u16                                              | 60584                                |                     |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 1.84698057                           |                     |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 2.02461219                           |                     |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.999984741                          |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.809899986                          |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | -203.157333                          |                     |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | -58.029438                           |                     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Vo    | lts_f32             |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Vo    | lts_f32             |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPositi | on_Rev_f32          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Re   | v_f32               |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_    | <u>f</u> 32         |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_    | <u>f</u> 32         |          |
| Name                                                                 | Actual Value                         | Expected Value      | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | -20.6795006                          | -20.6795158 ± 0.001 | <b>✓</b> |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 1.70727539                           | 1.70727539 ± 32     | •        |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 1.94702148                           | 1.94702148 ± 32     | •        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 916635920                            | 916635920 ± 1       | <b>✓</b> |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1045352424                           | 1045352424 ± 1      | <b>→</b> |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                   | 86                  | <b>✓</b> |
| Rte Call Sa CmMtrCurr NxtrDiagMgr SetNTCStatus(Param Cnt T u08)      | 1                                    | 1                   | •        |

| Test Step Call Trace                           |       |                                                |       |        |
|------------------------------------------------|-------|------------------------------------------------|-------|--------|
| Actual Function                                | Count | Expected Function                              | Count | Result |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | -      |
| Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | -      |

0

| Test Step 2.44 (Repeat Count = 1)          |                           | ✓ |
|--------------------------------------------|---------------------------|---|
| Name                                       | Input Value               |   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32 | 0.368999988               |   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32  | 0.548699975               |   |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29    | 536870912                 |   |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29    | 0                         |   |
| Rte_Inst_Sa_CmMtrCurr                      | tgt_Rte_Inst_Sa_CmMtrCurr |   |

 $Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Status\_Cnt\_T\_enum)$ 

CmMtrCurr\_Per2

2016-07-24, 12:37:12+0530



| Name                                                                 | Input Value                                    |                    |        |
|----------------------------------------------------------------------|------------------------------------------------|--------------------|--------|
| k_CurrCorrErrThresh_Amps_f32                                         | 26.3857727                                     |                    |        |
| k_CurrOffGainKn_Cnt_u16                                              | 2558                                           |                    |        |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 2.5971663                                      |                    |        |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 2.47857809                                     |                    |        |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.819194317                                    |                    |        |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.925599992                                    |                    |        |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | 65.6777344                                     |                    |        |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | -196.57901                                     |                    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       |                    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       |                    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 |                    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        |                    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32           |                    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32           |                    |        |
| Name                                                                 | Actual Value                                   | Expected Value     | Result |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 106.793259                                     | 106.793236 ± 0.001 | ~      |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 1.06225586                                     | 1.06225586 ± 32    | ~      |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 0.0966796875                                   | 0.0966796875 ± 32  | -      |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 570337226                                      | 570337226 ± 1      | ~      |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 51937632                                       | 51937632 ± 1       | ~      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                                             | 86                 | ~      |
|                                                                      |                                                |                    |        |

| Test Step Call Trace                           |       |                                                |       | V        |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | ~        |
| Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | <b>✓</b> |

#### **Test Case 3: Path Test**

Specification

Performance Metrics : [With "None" Instrumentation and WithPS Environment]

CPU Cycles:

TC3.1 2343.00 Cycles TC3.2 2241.00 Cycles

Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Param\_Cnt\_T\_u08)
Rte\_Call\_Sa\_CmMtrCurr\_NxtrDiagMgr\_SetNTCStatus(Status\_Cnt\_T\_enum)

Description

VECTOR DESCRIPTION:

 $\label{eq:total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_total_$ 

| Test Step 3.1 (Repeat Count = 1)                                     |                                   |                    | ~        |
|----------------------------------------------------------------------|-----------------------------------|--------------------|----------|
| Name                                                                 | Input Value                       |                    |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 132.939499                        |                    |          |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.119000003                       |                    |          |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 2684354560                        |                    |          |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 2684354560                        |                    |          |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr         |                    |          |
| k_CurrCorrErrThresh_Amps_f32                                         | 34.8454857                        |                    |          |
| k_CurrOffGainKn_Cnt_u16                                              | 8222                              |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 1.86731339                        |                    |          |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 0.146819592                       |                    |          |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.999984741                       |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 0.594516039                       |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | -193.109467                       |                    |          |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | -176.977707                       |                    |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr1_t  | Volts_f32          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr2_t  | Volts_f32          |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurrPos | sition_Rev_f32     |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngle_f | Rev_f32            |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_Am   | p_f32              |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_Am   | p_f32              |          |
| Name                                                                 | Actual Value                      | Expected Value     | Result   |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 147.949432                        | 147.949432 ± 0.001 | ~        |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 4.60693359                        | 4.60693359 ± 32    | <b>✓</b> |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 4.39111328                        | 4.39111328 ± 32    | -        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 2473353374                        | 2473353374 ± 1     | ~        |
|                                                                      |                                   |                    |          |

2357464284

 $CmMtrCurr\_MtrCurr2LpFltrSV\_Volt\_M\_u3p29$ 

2357464284 ± 1

2016-07-24, 12:37:12+0530





| Name                                                              | Actual Value | Expected Value | Result   |
|-------------------------------------------------------------------|--------------|----------------|----------|
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)    | 86           | 86             | ✓        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)   | 1            | 1              | <b>✓</b> |
| Rte Call Sa CmMtrCurr NxtrDiagMgr SetNTCStatus(Status Cnt T enum) | 1            | 1              | <b>✓</b> |

| Test Step Call Trace                           |       |                                                |       | V        |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | ~        |
| Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | Rte Call CmMtrCurr Per2 CP1 CheckpointReached  | 1     | <b>✓</b> |

| Name                                                                 | Input Value                    |                    |        |
|----------------------------------------------------------------------|--------------------------------|--------------------|--------|
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_UIs_f32                           | -132.939499                    | -132.939499        |        |
| CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32                            | 0.595000029                    |                    |        |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 536870912                      |                    |        |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1610612736                     |                    |        |
| Rte_Inst_Sa_CmMtrCurr                                                | tgt_Rte_Inst_Sa_CmMtrCurr      |                    |        |
| k_CurrCorrErrThresh_Amps_f32                                         | 43.4733124                     |                    |        |
| k_CurrOffGainKn_Cnt_u16                                              | 26553                          |                    |        |
| tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value                       | 0.92788434                     |                    |        |
| tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value                       | 1.00496554                     |                    |        |
| tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value                 | 0.999984741                    |                    |        |
| tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value                        | 1                              |                    |        |
| tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value                           | 120.274055                     |                    |        |
| tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value                           | -150.961716                    |                    |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr  | 1_Volts_f32        |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32       | tgt_CmMtrCurr_Per2_ADCMtrCurr  | 2_Volts_f32        |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32 | tgt_CmMtrCurr_Per2_CorrMtrCurr | Position_Rev_f32   |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32        | tgt_CmMtrCurr_Per2_MtrCurrAngl | e_Rev_f32          |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK1_/ | Amp_f32            |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32           | tgt_CmMtrCurr_Per2_MtrCurrK2_/ | Amp_f32            |        |
| Name                                                                 | Actual Value                   | Expected Value     | Result |
| CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32                           | 17.7312012                     | 17.7311745 ± 0.001 | •      |
| CmMtrCurr_FiltMtrCurr1_Volt_M_f32                                    | 0.970703125                    | 0.970703125 ± 32   | •      |
| CmMtrCurr_FiltMtrCurr2_Volt_M_f32                                    | 2.19152832                     | 2.19152832 ± 32    | •      |
| CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29                              | 521178089                      | 521178089 ± 1      | •      |
| CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29                              | 1176630504                     | 1176630504 ± 1     | •      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)       | 86                             | 86                 | •      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)      | 1                              | 1                  | •      |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)    | 0                              | 0                  | •      |

| Test Step Call Trace                           |       |                                                |       | <b>✓</b> |
|------------------------------------------------|-------|------------------------------------------------|-------|----------|
| Actual Function                                | Count | Expected Function                              | Count | Result   |
| Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached  | 1     | ~        |
| Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus | 1     | <b>✓</b> |
| Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached  | 1     | -        |

CmMtrCurrTempOffset\_Scom\_Get

2016-07-24, 12:48:31+0530



Project CmMtrCurr1

 Module
 CmMtrCurr\_MTRCURRPHASEAC\_ON

 Test Object
 CmMtrCurrTempOffset\_Scom\_Get

### Instrumentation: Test Object Only

| Statement (C0) Coverage | 100 % |
|-------------------------|-------|
| Branch (C1) Coverage    | 100 % |

#### **Statistics**

| Total Testcases | 1 |   |
|-----------------|---|---|
| Successful      | 1 | ✓ |
| Failed          | 0 |   |
| Not Executed    | 0 |   |

#### **Module Properties**

| Project Root Directory | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP                                                                                                                                                                                                                                                         |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Configuration File     | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config<br>\TMS570_GCC_UDE_CCS4_Config.xml                                                                                                                                                                                                   |
| Target Environment     | TI TMS 570 PLS UDE (Default)                                                                                                                                                                                                                                                                             |
| Kind of Test           | Unit Test                                                                                                                                                                                                                                                                                                |
| Linker Options         |                                                                                                                                                                                                                                                                                                          |
| Source File(s)         |                                                                                                                                                                                                                                                                                                          |
| File                   | \$(PROJECTROOT)\CmMtrCurr\src\Sa_CmMtrCurr.c                                                                                                                                                                                                                                                             |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -I\\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\\$(PROJECTROOT)\CmMtrCurr\utp\\include -I\\$(PROJECTROOT)\NxtrLib\\include -I\\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include |
| File                   | \$(PROJECTROOT)\NxtrLib\src\interpolation.c                                                                                                                                                                                                                                                              |
| Compiler Options       | -DMTRCURRPHASEAC -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include            |

| Name                                 | Text                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Module<br>CmMtrCurr_MTRCURRPHASEAC_( | Name of Tester:Chandrakanth Sheegi Code File(s) Under Test:Sa_CmMtrCurr.c Code File(s) Version:2 Module Design Document:CmMtrCurr_MDD.docx Module Design Document Version:2 Data Dictionary Version:2 Unit Test Plan Version:2 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.32 Total FLASH Used (Bytes):3176 Total RAM Used (Bytes):48 Special Test Requirements:NA Test Date:7/23/2016 Comments: "Note1: Inline functions defined in globalmacro.h are not unit tested.  Note2:- ""CBD_Sandbox_dbg.map"" map file is embedded for reference.  Note3:-In function ""CmMtrCurr_Per3"" some variables are going out of range for some vectors,accepted by devloper variables are :- MtrCurr2SumHi_Volt_M_f32, VecuSum_Volt_M_f32, MtrCurr1SumLo_Volt_M_f32, MtrCurr2SumLo_Volt_M_f32, MtrCurr1SumZero_Volt_M_f32,MtrCurr2SumZero_Volt_M_f32, CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16.  Note4:-In function CurrDQPer1(), variables 'MtrCurrK1_Amps_f32' and 'MtrCurrK2_Amps_f32' are going to very large values." |

| Attributes            |                                                                      |
|-----------------------|----------------------------------------------------------------------|
| Name                  | Value                                                                |
| Compiler Install Path | \$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5 |
| Float Precision       | 9                                                                    |

2016-07-24, 12:48:31+0530



CmMtrCurrTempOffset\_Scom\_Get

| Attributes          |                                                                                          |  |
|---------------------|------------------------------------------------------------------------------------------|--|
| Name                | Value                                                                                    |  |
| InitObjDir          | \$(PROJECTROOT)\UnitTestEnv\static_build_files\obj                                       |  |
| InitSrcDir          | \$(PROJECTROOT)\UnitTestEnv\static_build_files\src                                       |  |
| Linker File         | \$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd                              |  |
| Makefile Template   | \$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_Ps.tpl                  |  |
| Target Install Path | <pre>\$(ProgramFiles)\pls\UDE 4.4</pre>                                                  |  |
| Time Unit           | cycles                                                                                   |  |
| Timer Enabled       | false                                                                                    |  |
| Timer Prescale      | 0                                                                                        |  |
| Timer Resolution    | 1                                                                                        |  |
| UDE Config File     | \$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg                             |  |
| Workspace File      | D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP |  |



#### Test Case 1: Range Test

CmMtrCurrTempOffset\_Scom\_Get

#### Specification

Performance Metrics : [With "None" Instrumentation and WithPS Environment]

CPU Cycles:

168:

160.00 Cycles
133.00 Cycles TS1.2 TS1.2 TS1.3 TS1.4 TS1.5 TS1.6 TS1.7 TS1.8 TS1.9 TS1.10 TS1.11 TS1.11 TS1.12 TS1.13 TS1.14 TS1.15 TS1.16 TS1.17

#### Description

#### Vector Description:

TS1.1 All Min

TS1.3 Rte\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5==>Min
TS1.4 Rte\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5==>Max TS1.4 Rte\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5==>Max
TS1.5 Rte\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5==>Pos
TS1.6 Rte\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5==>Zero
TS1.7 Rte\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5==>Neg
TS1.8 Rte\_Pim\_CurrTempOffset.CurrOffsetY\_DegC\_s10p5==>Neg
TS1.9 Rte\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11==>Min
TS1.9 Rte\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11==>Pos
TS1.10 Rte\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11==>Zero
TS1.11 Rte\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11==>Neg
TS1.13 Rte\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11==>Nin
TS1.14 Rte\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11==>Max
TS1.15 Rte\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11==>Neg
TS1.16 Rte\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11==>Zero
TS1.17 Rte\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11==>Zero
TS1.17 Rte\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11==>Zero
TS1.17 Rte\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11==>Neg

| Fest Step 1.1 (Repeat Count = 1)                      |                           |  |
|-------------------------------------------------------|---------------------------|--|
| Name                                                  | Input Value               |  |
| CurrTempOffCal                                        | tgt_CurrTempOffCal        |  |
| Rte_Inst_Sa_CmMtrCurr                                 | tgt_Rte_Inst_Sa_CmMtrCurr |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]  | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] | -1600                     |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]    | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]    | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]    | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]    | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]    | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]    | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]    | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]    | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]    | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]   | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]   | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]   | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]   | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]   | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]   | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]    | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]    | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]    | -53                       |  |

© Report created by TESSY V3.1.13, report template V2.1

3

2016-07-24, 12:48:31+0530



CmMtrCurrTempOffset\_Scom\_Get

| CminitrCurr rempOnset_Scom_Get                                                                    |                        | 1              | and the  |
|---------------------------------------------------------------------------------------------------|------------------------|----------------|----------|
| Name                                                                                              | Input Value            |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                                                | -53                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                                                | -53                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                                                | -53                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                                                | -53                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                                                | -53                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                                                | -53                    |                |          |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[9]                                                | -53                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                               | -53                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                                               | -53                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                                               | -53                    |                |          |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[13]                                               | -53                    |                |          |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[14]                                               | -53                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                                               | -53                    |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                      | tgt_Pim_CurrTempOffset |                |          |
| Name                                                                                              | Actual Value           | Expected Value | Result   |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]                                                  | -1600                  | -1600          | rtoduk   |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[1]                                                  | -1600                  | -1600          | ·        |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[2]                                                  | -1600                  | -1600          |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]                                                  | -1600                  | -1600          | -        |
|                                                                                                   | -1600                  | -1600          |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] | -1600                  | -1600          |          |
|                                                                                                   | -1600                  | -1600          |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] |                        |                |          |
|                                                                                                   | -1600                  | -1600          |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]                                                  | -1600                  | -1600          |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]                                                  | -1600                  | -1600          | · ·      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]                                                 | -1600                  | -1600          | <b>~</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]                                                 | -1600                  | -1600          | <b>V</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]                                                 | -1600                  | -1600          | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]                                                 | -1600                  | -1600          |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]                                                 | -1600                  | -1600          | <b>Y</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]                                                 | -1600                  | -1600          | <b>V</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]                                                    | -53                    | -53            | <b>~</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]                                                    | -53                    | -53            | <b>V</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]                                                    | -53                    | -53            |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]                                                    | -53                    | -53            | <b>V</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]                                                    | -53                    | -53            | <b>Y</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]                                                    | -53                    | -53            | <b>~</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]                                                    | -53                    | -53            |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]                                                    | -53                    | -53            | <b>Y</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]                                                    | -53                    | -53            |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]                                                    | -53                    | -53            | <b>Y</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]                                                   | -53                    | -53            |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]                                                   | -53                    | -53            | <b>~</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]                                                   | -53                    | -53            |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]                                                   | -53                    | -53            | <b>Y</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]                                                   | -53                    | -53            |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]                                                   | -53                    | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]                                                    | -53                    | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]                                                    | -53                    | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]                                                    | -53                    | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]                                                    | -53                    | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]                                                    | -53                    | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]                                                    | -53                    | -53            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]                                                    | -53                    | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]                                                    | -53                    | -53            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]                                                    | -53                    | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]                                                    | -53                    | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]                                                   | -53                    | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]                                                   | -53                    | -53            | <b>✓</b> |
| tot CurrTempOffCal CurrOffsetY2 Volts s4n11[12]                                                   | -53                    | -53            | _        |

| Test Step 1.2 (Repeat Count = 1)                     |                           | ✓ |
|------------------------------------------------------|---------------------------|---|
| Name                                                 | Input Value               |   |
| CurrTempOffCal                                       | tgt_CurrTempOffCal        |   |
| Rte_Inst_Sa_CmMtrCurr                                | tgt_Rte_Inst_Sa_CmMtrCurr |   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0] | 4800                      |   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1] | 4800                      |   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2] | 4800                      |   |

-53

-53

-53

-53

-53

-53

-53

-53

tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[12]

tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[13] tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[14]

tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[15]

2016-07-24, 12:48:31+0530



| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Input Value                                                                                                                                        |                                                                                                                                              |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------|
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4800                                                                                                                                               |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4800                                                                                                                                               |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4800                                                                                                                                               |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4800                                                                                                                                               |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4800                                                                                                                                               |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4800                                                                                                                                               |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9] tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4800<br>4800                                                                                                                                       |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4800                                                                                                                                               |                                                                                                                                              |        |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[12]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4800                                                                                                                                               |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4800                                                                                                                                               |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4800                                                                                                                                               |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4800                                                                                                                                               |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 53<br>53                                                                                                                                           |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_rim_ourrTempOffset.OurrOffsetY1_Volts_s4p11[6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 53<br>53                                                                                                                                           |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_nim_ourremporiset.ourroffsetY2_voits_s4p11[1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 53<br>53                                                                                                                                           |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[11]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 53                                                                                                                                                 |                                                                                                                                              |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | tgt_Pim_CurrTempOffset                                                                                                                             |                                                                                                                                              |        |
| Manage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                    |                                                                                                                                              |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Actual Value                                                                                                                                       | Expected Value                                                                                                                               | Result |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4800                                                                                                                                               | 4800                                                                                                                                         | ~      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]<br>tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4800<br>4800                                                                                                                                       | 4800<br>4800                                                                                                                                 | Result |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4800<br>4800<br>4800                                                                                                                               | 4800<br>4800<br>4800                                                                                                                         | ~      |
| Name  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]  tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[4]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4800<br>4800<br>4800<br>4800                                                                                                                       | 4800<br>4800<br>4800<br>4800                                                                                                                 | ~      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4800<br>4800<br>4800<br>4800<br>4800                                                                                                               | 4800<br>4800<br>4800<br>4800<br>4800                                                                                                         | 7      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4800<br>4800<br>4800<br>4800                                                                                                                       | 4800<br>4800<br>4800<br>4800                                                                                                                 | ***    |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                       | 4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                 | 0      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                               | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                         |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                               | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                 |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                       | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                         | 0      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                       | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                         |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                               | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                 |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                       | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                         |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]                                                                                                                                                                                                                                                                                                                                                                                            | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                               | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                 |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]                                                                                                                                                                                                                                                                                                                                                                             | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                       | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                         |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                       | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800 |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]  tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15]  tgt_CurrTempOffCal.CurrTempOffsetY1_Volts_s4p11[0]  tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]                                                                                                                                                                                                                      | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800       | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800 |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]                                                                                                                                                                                          | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>53                 | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>53           |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]                                                                                                                                                                                             | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>53<br>53<br>53<br>53       | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>53<br>53             |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]  tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15]  tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]  tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]  tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]  tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]  tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]                                                                          | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>53<br>53<br>53<br>53<br>53 | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>53<br>53<br>53<br>53 |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>53<br>53<br>53<br>53<br>53<br>53   | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>53<br>53<br>53<br>53<br>53   |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]                                                                                               | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>53<br>53<br>53<br>53<br>53 | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>53<br>53<br>53<br>53 |        |

CmMtrCurrTempOffset\_Scom\_Get

2016-07-24, 12:48:31+0530



| Name                                            | Actual Value | Expected Value | Result   |
|-------------------------------------------------|--------------|----------------|----------|
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11] | 53           | 53             | •        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12] | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] | 53           | 53             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14] | 53           | 53             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15] | 53           | 53             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]  | 53           | 53             | •        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]  | 53           | 53             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]  | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]  | 53           | 53             | •        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]  | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]  | 53           | 53             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]  | 53           | 53             | •        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]  | 53           | 53             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]  | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]  | 53           | 53             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10] | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11] | 53           | 53             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12] | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13] | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14] | 53           | 53             | ~        |
| tgt CurrTempOffCal.CurrOffsetY2 Volts s4p11[15] | 53           | 53             | <b>✓</b> |

| Nama                                                 | Input Value               |  |
|------------------------------------------------------|---------------------------|--|
| Name                                                 | Input Value               |  |
| CurrTempOffCal                                       | tgt_CurrTempOffCal        |  |
| Rte_Inst_Sa_CmMtrCurr                                | tgt_Rte_Inst_Sa_CmMtrCurr |  |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | -1600                     |  |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]  | -1600                     |  |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | -1600                     |  |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | -1600                     |  |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | -1600                     |  |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | -1600                     |  |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | -1600                     |  |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | -1600                     |  |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | -1600                     |  |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | -1600                     |  |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | -1600                     |  |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | -1600                     |  |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | -1600                     |  |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | -1600                     |  |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] | -1600                     |  |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] | -1600                     |  |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | -14                       |  |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]    | -16                       |  |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]    | -18                       |  |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]    | -20                       |  |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]    | -23                       |  |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]    | -25                       |  |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]    | -27                       |  |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]    | -29                       |  |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]    | -31                       |  |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]    | -33                       |  |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]   | -35                       |  |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]   | -37                       |  |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]   | -39                       |  |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]   | -41                       |  |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]   | -43                       |  |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]   | -45                       |  |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]    | 2                         |  |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]    | 4                         |  |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]    | 6                         |  |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]    | 8                         |  |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]    | 10                        |  |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]    | 12                        |  |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]    | 14                        |  |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]    | 16                        |  |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]    | 18                        |  |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]    | 20                        |  |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]   | 23                        |  |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]   | 25                        |  |

2016-07-24, 12:48:31+0530



CmMtrCurrTempOffset\_Scom\_Get Input Value tqt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[12] 27 29 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[13] tqt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[14] 31 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[15] 33 tgt\_Pim\_CurrTempOffset  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_CurrTempOffset$ **Expected Value Actual Value** Result tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[0] -1600 -1600 tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[1] -1600 -1600 tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[2] -1600 -1600 tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[3] -1600 -1600  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[4]$ -1600 -1600 tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[5] -1600 -1600  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[6]$ -1600 -1600 -1600 -1600 tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[7] tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[8] -1600 -1600 tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[9] -1600 -1600  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[10]$ -1600 -1600  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[11]$ -1600 -1600 tqt CurrTempOffCal.CurrTempOffsetX DegC s10p5[12] -1600 -1600  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[13]$ -1600 -1600 tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[14] -1600 -1600  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[15]$ -1600 -1600 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[0] -14 -14 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[1] -16 -16 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[2] -18 -18 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[3] -20 -20 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[4] -23 -23 -25 -25 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[5] tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[6] -27 -27 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[7] -29 -29 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[8] -31 -31 -33 -33 tat CurrTempOffCal.CurrOffsetY1 Volts s4p11[9] tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[10] -35 -35 tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[11] -37 -37 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[12] -39 -39 **v** tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[13] -41 -41 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[14] -43 -43 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[15] -45 -45 2 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[0] 2 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[1] 4 4 tot CurrTempOffCal.CurrOffsetY2 Volts s4p11[2] 6 6 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[3] 8 8 tot CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[4] 10 10 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[5] 12 12 tgt CurrTempOffCal.CurrOffsetY2 Volts s4p11[6] 14 14 16  $tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[7]$ 16 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[8] 18 18  $tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[9]$ 20 20 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[10] 23 23 25  $tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[11]$ 25

| Test Step 1.4 (Repeat Count = 1)                      |                           |
|-------------------------------------------------------|---------------------------|
| Name                                                  | Input Value               |
| CurrTempOffCal                                        | tgt_CurrTempOffCal        |
| Rte_Inst_Sa_CmMtrCurr                                 | tgt_Rte_Inst_Sa_CmMtrCurr |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | 4800                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]  | 4800                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | 4800                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | 4800                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | 4800                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | 4800                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | 4800                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | 4800                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | 4800                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | 4800                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | 4800                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | 4800                      |

27

29

31

33

27

29

31

33

tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[12]

tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[13]

tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[14]

tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[15]

2016-07-24, 12:48:31+0530



| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Input Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -47<br>-49                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_rim_CurrTempOffset.CurrOffsetY1 Volts s4p11[2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_rim_currTempOffset.CurrOffsetY1_Volts_s4p11[10]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 39                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3] tqt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 47                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 49                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -8<br>-10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | tgt_Pim_CurrTempOffset                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| 90.110.110.110.110.110.110.110.110.110.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 19.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Actual Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Expected Value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Result |
| Name  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Actual Value<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Expected Value<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Result |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | · · · · · · · · · · · · · · · · · · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Result |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |
| tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[10]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY1_Volts_s4p11[0]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
| tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffcal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffcal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffcal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffcal.CurrOffsetY1_Volts_s4p11[2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |
| tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffcal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffcal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffcal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffcal.CurrOffsetY1_Volts_s4p11[2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
| tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
| tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800 | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4800 4800 4800 4800 4800 4800 4800 4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>480<br>490<br>501<br>501<br>501<br>501<br>501<br>501<br>501<br>50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4800 4800 4800 4800 4800 4800 4800 4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4801<br>4800<br>4802<br>4803<br>4804<br>4806<br>4806<br>4806<br>4806<br>4806<br>4806<br>4806<br>4806<br>4807<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808     |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4800 4800 4800 4800 4800 4800 4800 4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>2800<br>4801<br>4802<br>4801<br>4802<br>4803<br>4804<br>4806<br>4806<br>4806<br>4806<br>4807<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808<br>4808     |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4800 4800 4800 4800 4800 4800 4800 4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>2800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>470<br>49<br>511<br>522<br>40<br>60<br>80<br>80<br>80<br>80<br>80<br>80<br>80<br>80<br>80<br>8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]                                                                                                                                                                                                                                                                                              | 4800 4800 4800 4800 4800 4800 4800 4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800     |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]                                                                                                 | 4800 4800 4800 4800 4800 4800 4800 4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800     |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]                                                                                                  | 4800 4800 4800 4800 4800 4800 4800 4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800     |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14] | 4800 4800 4800 4800 4800 4800 4800 4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>20<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>48 |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]                                                 | 4800 4800 4800 4800 4800 4800 4800 4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800<br>4800     |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]                                               | 4800 4800 4800 4800 4800 4800 4800 4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4800 4800 4800 4800 4800 4800 4800 4800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |

2016-07-24, 12:48:31+0530



| Name                                            | Actual Value | Expected Value | Result   |
|-------------------------------------------------|--------------|----------------|----------|
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]  | 41           | 41             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]  | 43           | 43             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]  | 45           | 45             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]  | 47           | 47             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]  | 49           | 49             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]  | 51           | 51             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]  | 53           | 53             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10] | -2           | -2             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11] | -4           | -4             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12] | -6           | -6             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13] | -8           | -8             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14] | -10          | -10            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15] | -12          | -12            | ~        |

| Name                                                  | Input Value               |                |       |
|-------------------------------------------------------|---------------------------|----------------|-------|
| CurrTempOffCal                                        | tgt_CurrTempOffCal        |                |       |
| Rte Inst Sa CmMtrCurr                                 | tgt Rte Inst Sa CmMtrCurr |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | 320                       |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[1]  | 480                       |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[2]  | 640                       |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[3]  | 800                       |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[4]  | 960                       |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[5]  | 1280                      |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[6]  | 1440                      |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[7]  | 1600                      |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | 2080                      |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | 2400                      |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | 2560                      |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[11] | 2720                      |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | 3040                      |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[13] | 3360                      |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[14] | 3680                      |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] | 4160                      |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | 35                        |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[1]    | 37                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]    | 39                        |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[3]    | 41                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]    | 43                        |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[5]    | 45                        |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[6]    | 47                        |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[7]    | 49                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]    | 51                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]    | 53                        |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[10]   | -2                        |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[11]   | -4                        |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[12]   | -6                        |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[13]   | -8                        |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[14]   | -10                       |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[15]   | -12                       |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[0]    | -14                       |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]    | -16                       |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]    | -18                       |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[3]    | -20                       |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[4]    | -23                       |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[5]    | -25                       |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]    | -27                       |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[7]    | -29                       |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[8]    | -31                       |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[9]    | -33                       |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]   | -35                       |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[11]   | -37                       |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]   | -39                       |                |       |
| tqt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[13]   | -41                       |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]   | -43                       |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[15]   | -45                       |                |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset          | tgt_Pim_CurrTempOffset    |                |       |
| Name                                                  | Actual Value              | Expected Value | Resu  |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]      | 320                       | 320            | IVean |
| tgt CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[0]      | 480                       | 480            |       |
| tgt CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]      | 640                       | 640            |       |

2016-07-24, 12:48:31+0530



| Name                                              | Actual Value | Expected Value | Result   |
|---------------------------------------------------|--------------|----------------|----------|
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]  | 800          | 800            | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]  | 960          | 960            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]  | 1280         | 1280           | ✓        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]  | 1440         | 1440           | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]  | 1600         | 1600           | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]  | 2080         | 2080           | ✓        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]  | 2400         | 2400           | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] | 2560         | 2560           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] | 2720         | 2720           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] | 3040         | 3040           | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] | 3360         | 3360           | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] | 3680         | 3680           | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] | 4160         | 4160           | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]    | 35           | 35             | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]    | 37           | 37             | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]    | 39           | 39             | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]    | 41           | 41             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]    | 43           | 43             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]    | 45           | 45             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]    | 47           | 47             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]    | 49           | 49             | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]    | 51           | 51             | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]    | 53           | 53             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]   | -2           | -2             | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]   | -4           | -4             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]   | -6           | -6             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]   | -8           | -8             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]   | -10          | -10            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]   | -12          | -12            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]    | -14          | -14            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]    | -16          | -16            | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]    | -18          | -18            | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]    | -20          | -20            | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]    | -23          | -23            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]    | -25          | -25            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]    | -27          | -27            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]    | -29          | -29            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]    | -31          | -31            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]    | -33          | -33            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]   | -35          | -35            |          |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]   | -37          | -37            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]   | -39          | -39            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]   | -41          | -41            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]   | -43          | -43            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]   | -45          | -45            | <b>v</b> |

| Test Step 1.6 (Repeat Count = 1)                      | <b>✓</b>                  |
|-------------------------------------------------------|---------------------------|
| Name                                                  | Input Value               |
| CurrTempOffCal                                        | tgt_CurrTempOffCal        |
| Rte_Inst_Sa_CmMtrCurr                                 | tgt_Rte_Inst_Sa_CmMtrCurr |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | 0                         |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]  | 0                         |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | 0                         |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | 0                         |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | 0                         |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | 0                         |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | 0                         |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | 0                         |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | 0                         |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | 0                         |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | 0                         |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | 0                         |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | 0                         |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | 0                         |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] | 0                         |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] | 0                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | 2                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]    | 4                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]    | 6                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]    | 8                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]    | 10                        |

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[10]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[11]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[12]

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[13]

CmMtrCurrTempOffset\_Scom\_Get

2016-07-24, 12:48:31+0530



Input Value  $tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[5]$ 12 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[6] 16 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[7] tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[8] 18 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[9] 20 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[10] 23 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[11] 25  $tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[12]$ 27 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[13] 29  $tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[14]$ 31 tgt\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11[15] 33  $tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[0]$ -47 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[1] -49 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[2] -51 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[3] -53 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[4] 2  $tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[5]$ 4 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[6] 6  $tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[7]$ 8 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[8] 10 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[9] 12

14

16

18

20

tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[14] 23
tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[15] 25
tab\_Pita\_last\_Se\_CmMtCurr\_Pim\_CurrTempOffset.

| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset         tgt_Pim_CurrTempOffset           Name         Actual Value         Expected Value           tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[0]         0         0           tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[1]         0         0           tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[2]         0         0 | Result   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] 0 0 0 tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[1] 0 0                                                                                                                                                                                                                                                                         | · ·      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] 0 0                                                                                                                                                                                                                                                                                                                                |          |
| 52 · · · · · · · · · · · · · · · · · · ·                                                                                                                                                                                                                                                                                                                                            |          |
| tot. CurrTemnOffCal CurrTemnOffsetX_DenC_s10n5[2]                                                                                                                                                                                                                                                                                                                                   |          |
| tgt_our rempersour.our rempersourt_bogo_stopots]                                                                                                                                                                                                                                                                                                                                    | •        |
| tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[3] 0 0                                                                                                                                                                                                                                                                                                                                | ~        |
| tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[4] 0 0                                                                                                                                                                                                                                                                                                                                |          |
| tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[5] 0 0                                                                                                                                                                                                                                                                                                                                | <b>-</b> |
| tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[6] 0 0                                                                                                                                                                                                                                                                                                                                | <b>✓</b> |
| lgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] 0 0                                                                                                                                                                                                                                                                                                                                | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] 0 0                                                                                                                                                                                                                                                                                                                                | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] 0 0                                                                                                                                                                                                                                                                                                                                | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] 0 0                                                                                                                                                                                                                                                                                                                               | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[11] 0 0                                                                                                                                                                                                                                                                                                                               | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] 0 0                                                                                                                                                                                                                                                                                                                               | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[13] 0 0                                                                                                                                                                                                                                                                                                                               | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] 0 0                                                                                                                                                                                                                                                                                                                               | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] 0 0                                                                                                                                                                                                                                                                                                                               | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] 2 2                                                                                                                                                                                                                                                                                                                                  | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] 4                                                                                                                                                                                                                                                                                                                                    | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] 6 6                                                                                                                                                                                                                                                                                                                                  | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] 8                                                                                                                                                                                                                                                                                                                                    | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4] 10 10                                                                                                                                                                                                                                                                                                                                | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5] 12 12                                                                                                                                                                                                                                                                                                                                | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] 14 14                                                                                                                                                                                                                                                                                                                                | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7] 16 16                                                                                                                                                                                                                                                                                                                                | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8] 18 18                                                                                                                                                                                                                                                                                                                                | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9] 20 20                                                                                                                                                                                                                                                                                                                                | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] 23 23                                                                                                                                                                                                                                                                                                                               | •        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11] 25 25                                                                                                                                                                                                                                                                                                                               | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12] 27 27                                                                                                                                                                                                                                                                                                                               | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] 29 29                                                                                                                                                                                                                                                                                                                               | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14] 31 31                                                                                                                                                                                                                                                                                                                               | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15] 33 33                                                                                                                                                                                                                                                                                                                               | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0] -47 -47                                                                                                                                                                                                                                                                                                                              | •        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1] -49 -49                                                                                                                                                                                                                                                                                                                              | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2] -51 -51                                                                                                                                                                                                                                                                                                                              | •        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3] -53 -53                                                                                                                                                                                                                                                                                                                              | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4] 2 2                                                                                                                                                                                                                                                                                                                                  | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5] 4                                                                                                                                                                                                                                                                                                                                    | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6] 6 6                                                                                                                                                                                                                                                                                                                                  | •        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7] 8 8                                                                                                                                                                                                                                                                                                                                  | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8] 10 10                                                                                                                                                                                                                                                                                                                                | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9] 12 12                                                                                                                                                                                                                                                                                                                                | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10] 14 14                                                                                                                                                                                                                                                                                                                               | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11] 16 16                                                                                                                                                                                                                                                                                                                               | <b>✓</b> |

CmMtrCurrTempOffset\_Scom\_Get

2016-07-24, 12:48:31+0530



| Name                                            | Actual Value | Expected Value | Result   |
|-------------------------------------------------|--------------|----------------|----------|
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12] | 18           | 18             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13] | 20           | 20             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14] | 23           | 23             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15] | 25           | 25             | <b>~</b> |

| Test Step 1.7 (Repeat Count = 1) Name                 | Input Value               |                |       |
|-------------------------------------------------------|---------------------------|----------------|-------|
| CurrTempOffCal                                        | tgt CurrTempOffCal        |                |       |
| Rte_Inst_Sa_CmMtrCurr                                 | tgt_Rte_Inst_Sa_CmMtrCurr |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | -1536                     |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[1]  | -1440                     |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | -1376                     |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[3]  | -1280                     |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | -1216                     |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[5]  | -1120                     |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[6]  | -1056                     |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[7]  | -960                      |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | -896                      |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[9]  | -800                      |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[10] | -704                      |                |       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | -640                      |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[12] | -480                      |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[13] | -384                      |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[14] | -320                      |                |       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[15] | -160                      |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | 35                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]    | 37                        |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[2]    | 39                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]    | 41                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]    | 43                        |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[5]    | 45                        |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[6]    | 47                        |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[7]    | 49                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]    | 51                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]    | 53                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]   | -2                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]   | -4                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]   | -6                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]   | -8                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]   | -10                       |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[15]   | -12                       |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]    | 2                         |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]    | 4                         |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]    | 6                         |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]    | 8                         |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]    | 10                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]    | 12                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]    | 14                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]    | 16                        |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[8]    | 18                        |                |       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[9]    | 20                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]   | 23                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]   | 25                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]   | 27                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]   | 29                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]   | 31                        |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]   | 33                        |                |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset          | tgt_Pim_CurrTempOffset    |                |       |
| Name                                                  | Actual Value              | Expected Value | Resul |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[0]      | -1536                     | -1536          |       |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[1]      | -1440                     | -1440          |       |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[2]      | -1376                     | -1376          |       |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[3]      | -1280                     | -1280          |       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]      | -1216                     | -1216          |       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]      | -1120                     | -1120          |       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]      | -1056                     | -1056          |       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]      | -960                      | -960           |       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]      | -896                      | -896           |       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]      | -800                      | -890           |       |
| tgr_ourremponour.ourremponsetx_bego_s topo[a]         |                           |                |       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]     | -704                      | -704           |       |

CmMtrCurrTempOffset\_Scom\_Get

2016-07-24, 12:48:31+0530



| Name                                              | Actual Value | Expected Value | Result   |
|---------------------------------------------------|--------------|----------------|----------|
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] | -480         | -480           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] | -384         | -384           | ✓        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] | -320         | -320           | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] | -160         | -160           | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]    | 35           | 35             | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]    | 37           | 37             | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]    | 39           | 39             | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]    | 41           | 41             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]    | 43           | 43             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]    | 45           | 45             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]    | 47           | 47             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]    | 49           | 49             | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]    | 51           | 51             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]    | 53           | 53             | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]   | -2           | -2             | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]   | -4           | -4             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]   | -6           | -6             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]   | -8           | -8             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]   | -10          | -10            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]   | -12          | -12            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]    | 2            | 2              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]    | 4            | 4              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]    | 6            | 6              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]    | 8            | 8              | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]    | 10           | 10             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]    | 12           | 12             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]    | 14           | 14             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]    | 16           | 16             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]    | 18           | 18             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]    | 20           | 20             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]   | 23           | 23             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]   | 25           | 25             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]   | 27           | 27             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]   | 29           | 29             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]   | 31           | 31             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]   | 33           | 33             | <b>*</b> |

| Test Step 1.8 (Repeat Count = 1)                      | <b>✓</b>                  |
|-------------------------------------------------------|---------------------------|
| Name                                                  | Input Value               |
| CurrTempOffCal                                        | tgt CurrTempOffCal        |
| Rte_Inst_Sa_CmMtrCurr                                 | tgt_Rte_Inst_Sa_CmMtrCurr |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | -1440                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]  | -1280                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | -1120                     |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | -960                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | -800                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | -640                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | -480                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | -160                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | 0                         |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | 320                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | 640                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | 960                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | 1280                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | 1920                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] | 2240                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] | 2560                      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | -53                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]    | -53                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]    | -53                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]    | -53                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]    | -53                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]    | -53                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]    | -53                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]    | -53                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]    | -53                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]    | -53                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]   | -53                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]   | -53                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]   | -53                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]   | -53                       |

2016-07-24, 12:48:31+0530



| Name                                                | Input Value            |                |          |
|-----------------------------------------------------|------------------------|----------------|----------|
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14] | -53                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15] | -53                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]  | 35                     |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]  | 37                     |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]  | 39                     |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]  | 41                     |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]  | 43                     |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]  | 45                     |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]  | 47                     |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]  | 49                     |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]  | 51                     |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]  | 53                     |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10] | -2                     |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11] | -4                     |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12] | -6                     |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] | -8                     |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] | -10                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] | -12                    |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset        | tgt_Pim_CurrTempOffset |                |          |
| Name                                                | Actual Value           | Expected Value | Result   |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]    | -1440                  | -1440          | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]    | -1280                  | -1280          | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]    | -1120                  | -1120          | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]    | -960                   | -960           | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]    | -800                   | -800           | ~        |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[5]    | -640                   | -640           | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]    | -480                   | -480           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]    | -160                   | -160           | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]    | 0                      | 0              | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]    | 320                    | 320            | •        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]   | 640                    | 640            | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]   | 960                    | 960            | •        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]   | 1280                   | 1280           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]   | 1920                   | 1920           | •        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]   | 2240                   | 2240           | ~        |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[15]   | 2560                   | 2560           | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]      | -53                    | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]      | -53                    | -53            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]      | -53                    | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]      | -53                    | -53            | •        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]      | -53                    | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]      | -53                    | -53            | •        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]      | -53                    | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]      | -53                    | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]      | -53                    | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]      | -53                    | -53            | •        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]     | -53                    | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]     | -53                    | -53            | •        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]     | -53                    | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]     | -53                    | -53            | •        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]     | -53                    | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]     | -53                    | -53            | •        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]      | 35                     | 35             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]      | 37                     | 37             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]      | 39                     | 39             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]      | 41                     | 41             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]      | 43                     | 43             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]      | 45                     | 45             | •        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]      | 47                     | 47             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]      | 49                     | 49             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]      | 51                     | 51             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]      | 53                     | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]     | -2                     | -2             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]     | -4                     | -4             | •        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]     | -6                     | -6             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]     | -8                     | -8             | •        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]     | -10                    | -10            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]     | -12                    | -12            | ~        |
|                                                     |                        |                |          |



| Test Step 1.9 (Repeat Count = 1)                                                                        |                           |                | <b>✓</b> |
|---------------------------------------------------------------------------------------------------------|---------------------------|----------------|----------|
| Name                                                                                                    | Input Value               |                |          |
| CurrTempOffCal                                                                                          | tgt CurrTempOffCal        |                |          |
| Rte_Inst_Sa_CmMtrCurr                                                                                   | tgt_Rte_Inst_Sa_CmMtrCurr |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                                                    | -1120                     |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]                                                    | -896                      |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]                                                    | -672                      |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                                                    | -448                      |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                                                    | -224                      |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                                                    | 224                       |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                    | 448                       |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                                                    | 672                       |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                                                    | 896                       |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                                                    | 1120                      |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                                   | 1344                      |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                                                   | 1568                      |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                   | 1792                      |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                                   | 2016                      |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                   | 2240                      |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                                                   | 2464                      |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                                                      | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]   | 53<br>53                  |                |          |
| tgt_Pim_Curr1empOffset.CurrOffsetY1_Volts_s4p11[2] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]   | 53                        |                |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[4]                                                      | 53                        |                |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[5]                                                      | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                                                      | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                                                      | 53                        |                |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[8]                                                      | 53                        |                |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[9]                                                      | 53                        |                |          |
| tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[10]                                                     | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                                                     | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                                                     | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                                                     | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                                                     | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                                                     | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                                                      | -14                       |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                                                      | -16                       |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                                                      | -18                       |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                                                      | -20                       |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                                                      | -23                       |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                                                      | -25                       |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                                                      | -27                       |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                                                      | -29                       |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                                                      | -31                       |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                                                      | -33                       |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                     | -35                       |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                                                     | -37                       |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                                                     | -39                       |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                                                     | -41                       |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] | -43<br>-45                |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                            | tgt_Pim_CurrTempOffset    |                |          |
| Name                                                                                                    | Actual Value              | Expected Value | Result   |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]                                                        | -1120                     | -1120          | Result   |
| tgt CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]                                                        | -896                      | -896           | _        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]                                                        | -672                      | -672           |          |
| tgt CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]                                                        | -448                      | -448           |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]                                                        | -224                      | -224           |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]                                                        | 224                       | 224            | ·        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]                                                        | 448                       | 448            |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]                                                        | 672                       | 672            | ·        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]                                                        | 896                       | 896            |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]                                                        | 1120                      | 1120           | ·        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]                                                       | 1344                      | 1344           | _        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]                                                       | 1568                      | 1568           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]                                                       | 1792                      | 1792           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]                                                       | 2016                      | 2016           | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]                                                       | 2240                      | 2240           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]                                                       | 2464                      | 2464           | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]                                                          | 53                        | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]                                                          | 53                        | 53             | ~        |
|                                                                                                         |                           |                |          |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]                                                          | 53                        | 53             | <u> </u> |

2016-07-24, 12:48:31+0530



| Name                                            | Actual Value | Expected Value | Result   |
|-------------------------------------------------|--------------|----------------|----------|
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]  | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]  | 53           | 53             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]  | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]  | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]  | 53           | 53             | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]  | 53           | 53             | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]  | 53           | 53             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] | 53           | 53             | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11] | 53           | 53             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12] | 53           | 53             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14] | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15] | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]  | -14          | -14            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]  | -16          | -16            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]  | -18          | -18            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]  | -20          | -20            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]  | -23          | -23            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]  | -25          | -25            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]  | -27          | -27            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]  | -29          | -29            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]  | -31          | -31            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]  | -33          | -33            | <b>v</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10] | -35          | -35            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11] | -37          | -37            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12] | -39          | -39            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13] | -41          | -41            | <b>~</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14] | -43          | -43            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15] | -45          | -45            | <b>~</b> |

| Test Step 1.10 (Repeat Count = 1)                     |                           |  |
|-------------------------------------------------------|---------------------------|--|
| Name                                                  | Input Value               |  |
| CurrTempOffCal                                        | tgt_CurrTempOffCal        |  |
| Rte_Inst_Sa_CmMtrCurr                                 | tgt_Rte_Inst_Sa_CmMtrCurr |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | 288                       |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]  | 384                       |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | 608                       |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | 704                       |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | 928                       |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | 1024                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | 1248                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | 1344                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | 1568                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | 1664                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | 1888                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | 1984                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | 2208                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | 2304                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] | 2528                      |  |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] | 2624                      |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | 2                         |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]    | 4                         |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]    | 6                         |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]    | 8                         |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]    | 10                        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]    | 12                        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]    | 14                        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]    | 16                        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]    | 18                        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]    | 20                        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]   | 23                        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]   | 25                        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]   | 27                        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]   | 29                        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]   | 31                        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]   | 33                        |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]    | -47                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]    | -49                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]    | -51                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]    | -53                       |  |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]    | 2                         |  |

2016-07-24, 12:48:31+0530



| Name                                                | Input Value            |                |        |
|-----------------------------------------------------|------------------------|----------------|--------|
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]  | 4                      |                |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]  | 6                      |                |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]  | 8                      |                |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]  | 10                     |                |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]  | 12                     |                |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10] | 14                     |                |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11] | 16                     |                |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12] | 18                     |                |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] | 20                     |                |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] | 23                     |                |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] | 25                     |                |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset        | tgt_Pim_CurrTempOffset |                |        |
| Name                                                | Actual Value           | Expected Value | Result |

| tgt_i iii_ouii reiipoliset.ouiroliset 2_volts_34p i [13] | 25                     |                |          |
|----------------------------------------------------------|------------------------|----------------|----------|
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset             | tgt_Pim_CurrTempOffset |                |          |
| Name                                                     | Actual Value           | Expected Value | Result   |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]         | 288                    | 288            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]         | 384                    | 384            | ✓        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]         | 608                    | 608            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]         | 704                    | 704            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]         | 928                    | 928            | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]         | 1024                   | 1024           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]         | 1248                   | 1248           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]         | 1344                   | 1344           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]         | 1568                   | 1568           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]         | 1664                   | 1664           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]        | 1888                   | 1888           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]        | 1984                   | 1984           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]        | 2208                   | 2208           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]        | 2304                   | 2304           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]        | 2528                   | 2528           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]        | 2624                   | 2624           | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]           | 2                      | 2              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]           | 4                      | 4              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]           | 6                      | 6              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]           | 8                      | 8              | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]           | 10                     | 10             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]           | 12                     | 12             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]           | 14                     | 14             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]           | 16                     | 16             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]           | 18                     | 18             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]           | 20                     | 20             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]          | 23                     | 23             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]          | 25                     | 25             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]          | 27                     | 27             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]          | 29                     | 29             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]          | 31                     | 31             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]          | 33                     | 33             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]           | -47                    | -47            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]           | -49                    | -49            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]           | -51                    | -51            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]           | -53                    | -53            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]           | 2                      | 2              | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]           | 4                      | 4              | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]           | 6                      | 6              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]           | 8                      | 8              | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]           | 10                     | 10             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]           | 12                     | 12             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]          | 14                     | 14             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]          | 16                     | 16             | <b>~</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]          | 18                     | 18             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]          | 20                     | 20             | <b>~</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]          | 23                     | 23             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]          | 25                     | 25             | <b>*</b> |

| Test Step 1.11 (Repeat Count = 1)                    |                           | ✓ |
|------------------------------------------------------|---------------------------|---|
| Name                                                 | Input Value               |   |
| CurrTempOffCal                                       | tgt_CurrTempOffCal        |   |
| Rte_Inst_Sa_CmMtrCurr                                | tgt_Rte_Inst_Sa_CmMtrCurr |   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0] | 96                        |   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1] | 192                       |   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2] | 288                       |   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3] | 416                       |   |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4] | 512                       |   |

2016-07-24, 12:48:31+0530



| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Input Value                                                                                                                                          |                                                                                                                    |                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 608                                                                                                                                                  |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 736                                                                                                                                                  |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 832                                                                                                                                                  |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 928                                                                                                                                                  |                                                                                                                    |                                       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1056                                                                                                                                                 |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1152                                                                                                                                                 |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1248                                                                                                                                                 |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1376                                                                                                                                                 |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1472                                                                                                                                                 |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1568                                                                                                                                                 |                                                                                                                    |                                       |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[15]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1760                                                                                                                                                 |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0                                                                                                                                                    |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0                                                                                                                                                    |                                                                                                                    |                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0                                                                                                                                                    |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                      |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0                                                                                                                                                    |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0                                                                                                                                                    |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0                                                                                                                                                    |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0                                                                                                                                                    |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0                                                                                                                                                    |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0                                                                                                                                                    |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0                                                                                                                                                    |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0                                                                                                                                                    |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0                                                                                                                                                    |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0                                                                                                                                                    |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0                                                                                                                                                    |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0                                                                                                                                                    |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0                                                                                                                                                    |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 35                                                                                                                                                   |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 37                                                                                                                                                   |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 39                                                                                                                                                   |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 41                                                                                                                                                   |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 43                                                                                                                                                   |                                                                                                                    |                                       |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 45                                                                                                                                                   |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 47                                                                                                                                                   |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 49                                                                                                                                                   |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 51                                                                                                                                                   |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 53                                                                                                                                                   |                                                                                                                    |                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -2                                                                                                                                                   |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                      |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -4                                                                                                                                                   |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -6                                                                                                                                                   |                                                                                                                    |                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                      |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -8                                                                                                                                                   |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -8<br>-10                                                                                                                                            |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -8<br>-10<br>-12                                                                                                                                     |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -8<br>-10                                                                                                                                            |                                                                                                                    |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -8<br>-10<br>-12                                                                                                                                     | Expected Value                                                                                                     | Result                                |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -8<br>-10<br>-12<br>tgt_Pim_CurrTempOffset                                                                                                           | Expected Value                                                                                                     | Result                                |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -8 -10 -12 tgt_Pim_CurrTempOffset Actual Value                                                                                                       | · ·                                                                                                                |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value 96                                                                                                   | 96                                                                                                                 | · ·                                   |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value 96 192                                                                                               | 96<br>192                                                                                                          | · ·                                   |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value 96 192 288                                                                                           | 96<br>192<br>288                                                                                                   | · · · · · · · · · · · · · · · · · · · |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value 96 192 288 416                                                                                       | 96<br>192<br>288<br>416                                                                                            | • • • • • • • • • • • • • • • • • • • |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value 96 192 288 416 512 608                                                                               | 96<br>192<br>288<br>416<br>512                                                                                     | • • • • • • • • • • • • • • • • • • • |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value 96 192 288 416 512 608 736                                                                           | 96<br>192<br>288<br>416<br>512<br>608<br>736                                                                       | , , , , , , , , , , , , , , , , , , , |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value  96 192 288 416 512 608 736 832                                                                      | 96<br>192<br>288<br>416<br>512<br>608<br>736<br>832                                                                | • • • • • • • • • • • • • • • • • • • |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value  96 192 288 416 512 608 736 832 928                                                                  | 96<br>192<br>288<br>416<br>512<br>608<br>736<br>832<br>928                                                         |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value  96 192 288 416 512 608 736 832 928 1056                                                             | 96<br>192<br>288<br>416<br>512<br>608<br>736<br>832<br>928                                                         |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value  96 192 288 416 512 608 736 832 928 1056 1152                                                        | 96<br>192<br>288<br>416<br>512<br>608<br>736<br>832<br>928<br>1056                                                 |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value  96 192 288 416 512 608 736 832 928 1056 1152 1248                                                   | 96<br>192<br>288<br>416<br>512<br>608<br>736<br>832<br>928<br>1056<br>1152                                         |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value  96 192 288 416 512 608 736 832 928 1056 1152 1248 1376                                              | 96<br>192<br>288<br>416<br>512<br>608<br>736<br>832<br>928<br>1056<br>1152<br>1248                                 |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value  96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472                                         | 96<br>192<br>288<br>416<br>512<br>608<br>736<br>832<br>928<br>1056<br>1152<br>1248<br>1376<br>1472                 |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name  tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[14]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value  96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568                                    | 96<br>192<br>288<br>416<br>512<br>608<br>736<br>832<br>928<br>1056<br>1152<br>1248<br>1376<br>1472<br>1568         |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760                                | 96<br>192<br>288<br>416<br>512<br>608<br>736<br>832<br>928<br>1056<br>1152<br>1248<br>1376<br>1472<br>1568<br>1760 |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15]                                                                                                                                                                                                                                                                                                                                      | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0                              | 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0                                            |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]                                                                                                                                                                                                                                                                                       | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value  96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0                             | 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0                                            |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]  tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]  tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]  tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]  tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]  tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15]  tgt_CurrTempOffCal.CurrTempOffsetY_Volts_s4p11[0]  tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]  tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]                                                                                                                                                                                                                                                                                                                      | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value  96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0                           | 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0                                            |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]                                                                                                                                                                                                                                                                                             | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value  96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0                         | 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0                                        |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]                                                                                                                                                                                                                                              | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value  96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0 0                     | 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0                                      |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name  tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]                                                                                                                                                 | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value  96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0 0 0                   | 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0 0 0                                  |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name  tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]                                                                                                                                                 | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value  96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0 0 0 0 0               | 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0 0 0 0 0                              |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name  tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffcal.CurrTempOffsetY1_Volts_s4p11[0] tgt_CurrTempOffcal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffcal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffcal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffcal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffcal.CurrOffsetY1_Volts_s4p11[7]                                                                                                                                               | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value  96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0 0 0 0 0 0 0 0         | 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0 0 0 0 0 0 0 0                        |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]                                                                                                                                                                                               | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value  96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0 0 0 0 0               | 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0 0 0 0 0                              |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name  tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffcal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffcal.CurrTempOffsetY1_Volts_s4p11[0] tgt_CurrTempOffcal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffcal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffcal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffcal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffcal.CurrOffsetY1_Volts_s4p11[7]                                                                                                                                               | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value  96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0 0 0 0 0 0 0 0         | 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0 0 0 0 0 0 0 0                        |                                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset  Name  tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8] | -8 -10 -12 tgt_Pim_CurrTempOffset  Actual Value  96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0 0 0 0 0 0 0 0 0 0 0                  |                                       |

2016-07-24, 12:48:31+0530



| Name                                            | Actual Value | Expected Value | Result |
|-------------------------------------------------|--------------|----------------|--------|
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12] | 0            | 0              | ~      |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] | 0            | 0              | ~      |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14] | 0            | 0              | ~      |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15] | 0            | 0              | ~      |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]  | 35           | 35             | ~      |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]  | 37           | 37             | ~      |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]  | 39           | 39             | ~      |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]  | 41           | 41             | ~      |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]  | 43           | 43             | ~      |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]  | 45           | 45             | ~      |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]  | 47           | 47             | ~      |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]  | 49           | 49             | ~      |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]  | 51           | 51             | ~      |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]  | 53           | 53             | ~      |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10] | -2           | -2             | ~      |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11] | -4           | -4             | ~      |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12] | -6           | -6             | ~      |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13] | -8           | -8             | ~      |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14] | -10          | -10            | ~      |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15] | -12          | -12            | ~      |

| Name                                                                                                            | Input Value               |
|-----------------------------------------------------------------------------------------------------------------|---------------------------|
| CurrTempOffCal                                                                                                  | tgt CurrTempOffCal        |
| Rte_Inst_Sa_CmMtrCurr                                                                                           | tgt_Rte_Inst_Sa_CmMtrCurr |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                                                             | -928                      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                                                             | -608                      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1] gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]         | 0                         |
| gt_Filit_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2] gt_Pilit_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]     | 736                       |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                                                             | 1056                      |
| gt_Piiii_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4] gt_Piiii_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]     | 1408                      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                             | 1568                      |
| gt_Piiii_CuirTeiiipOliset.CuirTeiiipOlisetX_DegC_s10p3[0] gt_Piiii_CuirTempOffset.CurrTempOffsetX_DegC_s10p5[7] | 2016                      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7] gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]         | 2368                      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                                                             | 2688                      |
| gt_Fini_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9] gt_Pini_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]      | 2848                      |
|                                                                                                                 | 3200                      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                                                            | 3936                      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                            | 4544                      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                                            |                           |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                            | 4640                      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                                                            | 4768                      |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                                                               | -14                       |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                                                               | -16                       |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                                                               | -18                       |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                                                               | -20                       |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                                                               | -23                       |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]                                                               | -25                       |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                                                               | -27                       |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                                                               | -29                       |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                                                               | -31                       |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]                                                               | -33                       |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                                                              | -35                       |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                                                              | -37                       |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                                                              | -39                       |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                                                              | -41                       |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                                                              | -43                       |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                                                              | -45                       |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                                                               | -14                       |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                                                               | -16                       |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                                                               | -18                       |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                                                               | -20                       |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                                                               | -23                       |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                                                               | -25                       |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                                                               | -27                       |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                                                               | -29                       |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                                                               | -31                       |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                                                               | -33                       |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                              | -35                       |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                                                              | -37                       |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                                                              | -39                       |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                                                              | -41                       |

CmMtrCurrTempOffset\_Scom\_Get

2016-07-24, 12:48:31+0530



Input Value tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[14] -43 -45 tgt\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11[15] tgt Pim CurrTempOffset  $tgt\_Rte\_Inst\_Sa\_CmMtrCurr.Pim\_CurrTempOffset$ **Actual Value Expected Value** Result  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[0]$ -928  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[1]$ -608 -608 tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[2] 0 0 tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[3] 736 736  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[4]$ 1056 1056 tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[5] 1408 1408  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[6]$ 1568 1568 tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[7] 2016 2016  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[8]$ 2368 2368 2688 2688 tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[9] tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[10] 2848 2848 tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[11] 3200 3200  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[12]$ 3936 3936  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[13]$ 4544 4544 tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[14] 4640 4640  $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[15]$ 4768 4768 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[0] -14 -14 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[1] -16 -16 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[2] -18 -18 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[3] -20 -20 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[4] -23 -23 -25 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[5] -25 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[6] -27 -27 -29 -29 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[7] tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[8] -31 -31 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[9] -33 -33 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[10] -35 -35 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[11] -37 -37 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[12] -39 -39 tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[13] -41 -41 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[14] -43 -43 tgt\_CurrTempOffCal.CurrOffsetY1\_Volts\_s4p11[15] -45 -45 tgt CurrTempOffCal.CurrOffsetY2 Volts s4p11[0] -14 -14 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[1] -16 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[2] -18 -18 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[3] -20 -20 tot CurrTempOffCal.CurrOffsetY2 Volts s4p11[4] -23 -23 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[5] -25 -25 tgt CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[6] -27 -27 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[7] -29 -29 -31 tqt CurrTempOffCal.CurrOffsetY2 Volts s4p11[8] -31  $tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[9]$ -33 -33 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[10] -35 -35 -37 -37  $tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[11]$ tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[12] -39 -39 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[13] -41 -41 tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[14] -43 -43

| Test Step 1.13 (Repeat Count = 1)                     | <b>✓</b>                  |
|-------------------------------------------------------|---------------------------|
| Name                                                  | Input Value               |
| CurrTempOffCal                                        | tgt_CurrTempOffCal        |
| Rte_Inst_Sa_CmMtrCurr                                 | tgt_Rte_Inst_Sa_CmMtrCurr |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | 0                         |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]  | 320                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | 640                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | 960                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | 1600                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | 1280                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | 1920                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | 2240                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | 2560                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | 2880                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | 3200                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | 3520                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | 3840                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | 4160                      |

-45

-45

tgt\_CurrTempOffCal.CurrOffsetY2\_Volts\_s4p11[15]

CmMtrCurrTempOffset\_Scom\_Get

2016-07-24, 12:48:31+0530



| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Input Value                                                                                                                                 |                                                                                                                                        |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------|
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4480                                                                                                                                        |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4800                                                                                                                                        |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -47                                                                                                                                         |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1] tqt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -49                                                                                                                                         |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -51<br>-53                                                                                                                                  |                                                                                                                                        |        |
| tgt_rim_CurrTempOffset.CurrOffsetY1 Volts_s4p11[4]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                                                                                                                                           |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4                                                                                                                                           |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6                                                                                                                                           |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8                                                                                                                                           |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 10                                                                                                                                          |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 12                                                                                                                                          |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 14                                                                                                                                          |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 16                                                                                                                                          |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 18                                                                                                                                          |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 20                                                                                                                                          |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 23                                                                                                                                          |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 25                                                                                                                                          |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -53                                                                                                                                         |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -53                                                                                                                                         |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -53                                                                                                                                         |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -53<br>-53                                                                                                                                  |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -53<br>-53                                                                                                                                  |                                                                                                                                        |        |
| tgt_Filli_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -53                                                                                                                                         |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -53                                                                                                                                         |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -53                                                                                                                                         |                                                                                                                                        |        |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -53                                                                                                                                         |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -53                                                                                                                                         |                                                                                                                                        |        |
| tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[11]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -53                                                                                                                                         |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -53                                                                                                                                         |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -53                                                                                                                                         |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -53                                                                                                                                         |                                                                                                                                        |        |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -53                                                                                                                                         |                                                                                                                                        |        |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | tgt_Pim_CurrTempOffset                                                                                                                      |                                                                                                                                        |        |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Actual Value                                                                                                                                | Expected Value                                                                                                                         | Result |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | riotaui vaiao                                                                                                                               |                                                                                                                                        |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0                                                                                                                                           | 0                                                                                                                                      | •      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0<br>320                                                                                                                                    | 0<br>320                                                                                                                               | •      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0<br>320<br>640                                                                                                                             | 0<br>320<br>640                                                                                                                        | •      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0<br>320<br>640<br>960                                                                                                                      | 0<br>320<br>640<br>960                                                                                                                 |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0<br>320<br>640<br>960<br>1600                                                                                                              | 0<br>320<br>640<br>960<br>1600                                                                                                         | •      |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0<br>320<br>640<br>960<br>1600<br>1280                                                                                                      | 0<br>320<br>640<br>960<br>1600<br>1280                                                                                                 |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0<br>320<br>640<br>960<br>1600<br>1280                                                                                                      | 0<br>320<br>640<br>960<br>1600<br>1280<br>1920                                                                                         |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0<br>320<br>640<br>960<br>1600<br>1280<br>1920<br>2240                                                                                      | 0<br>320<br>640<br>960<br>1600<br>1280<br>1920<br>2240                                                                                 |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0<br>320<br>640<br>960<br>1600<br>1280<br>1920<br>2240<br>2560                                                                              | 0<br>320<br>640<br>960<br>1600<br>1280<br>1920<br>2240<br>2560                                                                         |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0<br>320<br>640<br>960<br>1600<br>1280<br>1920<br>2240<br>2560<br>2880                                                                      | 0<br>320<br>640<br>960<br>1600<br>1280<br>1920<br>2240<br>2560<br>2880                                                                 |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200                                                                                            | 0<br>320<br>640<br>960<br>1600<br>1280<br>1920<br>2240<br>2560<br>2880<br>3200                                                         |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520                                                                                       | 0<br>320<br>640<br>960<br>1600<br>1280<br>1920<br>2240<br>2560<br>2880<br>3200<br>3520                                                 |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200                                                                                            | 0<br>320<br>640<br>960<br>1600<br>1280<br>1920<br>2240<br>2560<br>2880<br>3200                                                         |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840                                                                                  | 0<br>320<br>640<br>960<br>1600<br>1280<br>1920<br>2240<br>2560<br>2880<br>3200<br>3520<br>3840                                         |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160                                                                             | 0<br>320<br>640<br>960<br>1600<br>1280<br>1920<br>2240<br>2560<br>2880<br>3200<br>3520<br>3840<br>4160                                 |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[14]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480                                                                        | 0<br>320<br>640<br>960<br>1600<br>1280<br>1920<br>2240<br>2560<br>2880<br>3200<br>3520<br>3840<br>4160<br>4480                         |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[15]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800                                                                   | 0<br>320<br>640<br>960<br>1600<br>1280<br>1920<br>2240<br>2560<br>2880<br>3200<br>3520<br>3840<br>4160<br>4480                         |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47                                                               | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47                                                          |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49                                                           | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47                                                          |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49                                                           | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49                                                      |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51                                                       | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51                                                  |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51 -53                                                   | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51 -53                                              |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51 -53 2 4 6 8                                           | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51 -53 2 4 6 8                                      |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51 -53 2 4 6 8 10                                        | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51 -53 2 4 6 8 10                                   |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51 -53 2 4 6 8 10 12                                     | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51 -53 2 4 6 8 10 12                                |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51 -53 2 4 6 8 10 12 14                                  | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51 -53 2 4 6 8 10 12                                |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]                                                                                                                                                                                                                                                                                                                                                                    | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51 -53 2 4 6 8 10 12 14                                  | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51 -53 2 4 6 8 10 12 14                             |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]                                                                                                                                                                                                                        | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51 -53 2 4 6 8 10 12 14 16 18                            | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51 -53 2 4 6 8 10 12 14 16 18                       |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]                                                                                                                                                                                                                                                                                                                         | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51 -53 2 4 6 8 10 12 14 16 18 20                         | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51 -53 2 4 6 8 10 12 14 16 18 20                    |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]                                                                                                                                                                                                                         | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51 -53 2 4 6 8 10 12 14 16 18 20 23                      | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51 -53 2 4 6 8 10 12 14 16 18 20 23                 |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]                                                                                                                                                                       | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4480 4480 46 6 8 10 12 14 16 18 20 23 25                               | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 -47 -49 -51 -53 2 4 6 8 10 12 14 16 18 20 23 25              |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]                                                                          | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4480 4480 47 -49 -51 -53 2 4 6 8 10 12 14 16 18 20 23 25 -53           | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4480 4480 440 -47 -49 -51 -53 2 4 6 8 10 12 14 16 18 20 23 25 -53 |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[19] tgt_CurrTempOff | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4480 4480 4400 -47 -49 -51 -53 2 4 6 8 10 12 14 16 18 20 23 25 -53 -53 | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4480 4480 449 -51 -53 2 4 6 8 10 12 14 16 18 20 23 25 -53 -53     |        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]                                                                                                                                                                                                                   | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4480 4480 47 -49 -51 -53 2 4 6 8 10 12 14 16 18 20 23 25 -53           | 0 320 640 960 1600 1280 1920 2240 2560 2880 3200 3520 3840 4160 4480 4480 4480 440 -47 -49 -51 -53 2 4 6 8 10 12 14 16 18 20 23 25 -53 |        |

2016-07-24, 12:48:31+0530



| Name                                            | Actual Value | Expected Value | Result   |
|-------------------------------------------------|--------------|----------------|----------|
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]  | -53          | -53            | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]  | -53          | -53            | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]  | -53          | -53            | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]  | -53          | -53            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]  | -53          | -53            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10] | -53          | -53            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11] | -53          | -53            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12] | -53          | -53            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13] | -53          | -53            | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14] | -53          | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15] | -53          | -53            | ✓        |

| Test Step 1.14 (Repeat Count = 1)                                                                        |                           |                | <b>✓</b> |
|----------------------------------------------------------------------------------------------------------|---------------------------|----------------|----------|
| Name                                                                                                     | Input Value               |                |          |
| CurrTempOffCal                                                                                           | tgt CurrTempOffCal        |                |          |
| Rte_Inst_Sa_CmMtrCurr                                                                                    | tgt_Rte_Inst_Sa_CmMtrCurr |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]                                                     | 224                       |                |          |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[1]                                                     | 544                       |                |          |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[2]                                                     | 864                       |                |          |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[3]                                                     | 1184                      |                |          |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[4]                                                     | 1504                      |                |          |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[5]                                                     | 1824                      |                |          |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[6]                                                     | 2144                      |                |          |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[7]                                                     | 2464                      |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                                                     | 2784                      |                |          |
| tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[9]                                                     | 3104                      |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                                    | 3424                      |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                                                    | 3744                      |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                    | 4064                      |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                    | 4384                      |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                                    | 4480                      |                |          |
|                                                                                                          | 4704                      |                |          |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0] | 2                         |                |          |
|                                                                                                          | 4                         |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                                                       |                           |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                                                       | 6                         |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                                                       | 8                         |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                                                       | 10                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]                                                       | 12                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                                                       | 14                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                                                       | 16                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                                                       | 18                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]                                                       | 20                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                                                      | 23                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                                                      | 25                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                                                      | 27                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                                                      | 29                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                                                      | 31                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                                                      | 33                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                                                       | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                                                       | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                                                       | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                                                       | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                                                       | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                                                       | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                                                       | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                                                       | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                                                       | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                                                       | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                      | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                                                      | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                                                      | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                                                      | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                                                      | 53                        |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                                                      | 53                        |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                             | tgt_Pim_CurrTempOffset    |                |          |
| Name                                                                                                     | Actual Value              | Expected Value | Result   |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]                                                         | 224                       | 224            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]                                                         | 544                       | 544            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]                                                         | 864                       | 864            | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]                                                         | 1184                      | 1184           | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]                                                         | 1504                      | 1504           | <b>✓</b> |

2016-07-24, 12:48:31+0530



| Name                                              | Actual Value | Expected Value | Result   |
|---------------------------------------------------|--------------|----------------|----------|
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]  | 1824         | 1824           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]  | 2144         | 2144           | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]  | 2464         | 2464           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]  | 2784         | 2784           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]  | 3104         | 3104           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] | 3424         | 3424           | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] | 3744         | 3744           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] | 4064         | 4064           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] | 4384         | 4384           | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] | 4480         | 4480           | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] | 4704         | 4704           | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]    | 2            | 2              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]    | 4            | 4              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]    | 6            | 6              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]    | 8            | 8              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]    | 10           | 10             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]    | 12           | 12             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]    | 14           | 14             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]    | 16           | 16             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]    | 18           | 18             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]    | 20           | 20             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]   | 23           | 23             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]   | 25           | 25             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]   | 27           | 27             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]   | 29           | 29             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]   | 31           | 31             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]   | 33           | 33             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]    | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]    | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]    | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]    | 53           | 53             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]    | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]    | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]    | 53           | 53             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]    | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]    | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]    | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]   | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]   | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]   | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]   | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]   | 53           | 53             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]   | 53           | 53             | <b>v</b> |

| Test Step 1.15 (Repeat Count = 1)                     | <b>→</b>                  |
|-------------------------------------------------------|---------------------------|
| Name                                                  | Input Value               |
| CurrTempOffCal                                        | tgt_CurrTempOffCal        |
| Rte_Inst_Sa_CmMtrCurr                                 | tgt_Rte_Inst_Sa_CmMtrCurr |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | 32                        |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]  | 352                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | 672                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | 992                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | 1312                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | 1632                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | 1952                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | 2272                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | 2592                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | 2912                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | 3232                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | 3552                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | 3872                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | 4192                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] | 4512                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] | 4768                      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | 35                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]    | 37                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]    | 39                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]    | 41                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]    | 43                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]    | 45                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]    | 47                        |

2016-07-24, 12:48:31+0530



| Name                                                                                                    | Input Value            |                |       |
|---------------------------------------------------------------------------------------------------------|------------------------|----------------|-------|
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                                                      | 49                     |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                                                      | 51                     |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]                                                      | 53                     |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                                                     | -2                     |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                                                     | -4                     |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13] | -6<br>-8               |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                                                     | -10                    |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                                                     | -12                    |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                                                      | 2                      |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                                                      | 4                      |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                                                      | 6                      |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                                                      | 8                      |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                                                      | 10                     |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                                                      | 12                     |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                                                      | 14<br>16               |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]   | 18                     |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                                                      | 20                     |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                     | 23                     |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                                                     | 25                     |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                                                     | 27                     |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                                                     | 29                     |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                                                     | 31                     |                |       |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]                                                     | 33                     |                |       |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset                                                            | tgt_Pim_CurrTempOffset |                |       |
| Name                                                                                                    | Actual Value           | Expected Value | Resul |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]                                                        | 32                     | 32             | •     |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]                                                        | 352                    | 352            | •     |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]                                                        | 672<br>992             | 672<br>992     |       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]       | 1312                   | 1312           |       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]                                                        | 1632                   | 1632           |       |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[6]                                                        | 1952                   | 1952           |       |
| tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[7]                                                        | 2272                   | 2272           |       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]                                                        | 2592                   | 2592           |       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]                                                        | 2912                   | 2912           | •     |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]                                                       | 3232                   | 3232           |       |
| $tgt\_CurrTempOffCal.CurrTempOffsetX\_DegC\_s10p5[11]$                                                  | 3552                   | 3552           | •     |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]                                                       | 3872                   | 3872           |       |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]                                                       | 4192                   | 4192           | •     |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]                                                       | 4512<br>4768           | 4512           | •     |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]        | 35                     | 4768<br>35     |       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]                                                          | 37                     | 37             |       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]                                                          | 39                     | 39             |       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]                                                          | 41                     | 41             |       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]                                                          | 43                     | 43             |       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]                                                          | 45                     | 45             | •     |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]                                                          | 47                     | 47             | -     |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]                                                          | 49                     | 49             | •     |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]                                                          | 51                     | 51             | •     |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]                                                          | 53                     | 53             | •     |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]                                                         | -2                     | -2             |       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]                                                         | -4<br>-6               | -4<br>-6       |       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]         | -8                     | -8             |       |
| tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[14]                                                         | -10                    | -10            |       |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]                                                         | -12                    | -12            |       |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]                                                          | 2                      | 2              |       |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]                                                          | 4                      | 4              |       |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]                                                          | 6                      | 6              | •     |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]                                                          | 8                      | 8              | •     |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]                                                          | 10                     | 10             | •     |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]                                                          | 12                     | 12             | ·     |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]                                                          | 14                     | 14             | •     |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]                                                          | 16                     | 16             |       |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]                                                          | 18                     | 18             |       |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]          | 20 23                  | 20 23          |       |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]                                                         | 25                     | 25             |       |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]                                                         | 27                     | 27             |       |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]                                                         | 29                     | 29             |       |
|                                                                                                         |                        |                |       |

2016-07-24, 12:48:31+0530



CmMtrCurrTempOffset\_Scom\_Get

| Name                                            | Actual Value | Expected Value | Result   |
|-------------------------------------------------|--------------|----------------|----------|
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14] | 31           | 31             | <b>✓</b> |
| tot CurrTempOffCal.CurrOffsetY2 Volts s4p11[15] | 33           | 33             | <b>✓</b> |

| Test Step 1.16 (Repeat Count = 1) Name                                                                              | Input Value                        |                |      |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------|------|
| CurrTempOffCal                                                                                                      | tgt CurrTempOffCal                 |                |      |
| ·                                                                                                                   | · · ·                              |                |      |
| Rte_Inst_Sa_CmMtrCurr  tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[0]                                         | tgt_Rte_Inst_Sa_CmMtrCurr<br>-1184 |                |      |
| gt_Piiit_CuirTeiiipOliset.CuirTeiiipOlisetx_DegC_s10p5[0] gt_Piiit_CuirTeiiipOliset.CuirTeiiipOlisetX_DegC_s10p5[1] | -928                               |                |      |
| gt_Fini_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1] gt_Pini_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]           | 480                                |                |      |
|                                                                                                                     | 960                                |                |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]                                                                 |                                    |                |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]                                                                 | 1440                               |                |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]                                                                 | 1920                               |                |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]                                                                 | 2240                               |                |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]                                                                 | 2400                               |                |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]                                                                 | 2496<br>3552                       |                |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]                                                                 |                                    |                |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]                                                                | 3648                               |                |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]                                                                | 3936                               |                |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]                                                                | 4256                               |                |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]                                                                | 4544                               |                |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]                                                                | 4576                               |                |      |
| gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]                                                                | 4736                               |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]                                                                   | -14                                |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]                                                                   | -16                                |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]                                                                   | -18                                |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]                                                                   | -20                                |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]                                                                   | -23                                |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]                                                                   | -25                                |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]                                                                   | -27                                |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]                                                                   | -29                                |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]                                                                   | -31                                |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]                                                                   | -33                                |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]                                                                  | -35                                |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]                                                                  | -37                                |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]                                                                  | -39                                |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]                                                                  | -41                                |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]                                                                  | -43                                |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]                                                                  | -45                                |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]                                                                   | 0                                  |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]                                                                   | 0                                  |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]                                                                   | 0                                  |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]                                                                   | 0                                  |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]                                                                   | 0                                  |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]                                                                   | 0                                  |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]                                                                   | 0                                  |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]                                                                   | 0                                  |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]                                                                   | 0                                  |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]                                                                   | 0                                  |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]                                                                  | 0                                  |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]                                                                  | 0                                  |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]                                                                  | 0                                  |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]                                                                  | 0                                  |                |      |
| gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]                                                                  | 0                                  |                |      |
| gt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[15]                                                                  | 0                                  |                |      |
| gt Rte Inst Sa CmMtrCurr.Pim CurrTempOffset                                                                         | tgt_Pim_CurrTempOffset             |                |      |
| Name                                                                                                                | Actual Value                       | Expected Value | Resu |
|                                                                                                                     |                                    | ·              | Kest |
| gt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]                                                                     | -1184                              | -1184          |      |
| gt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]                                                                     | -928                               | -928           |      |
| gt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]                                                                     | 480                                | 480            |      |
| gt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]                                                                     | 960                                | 960            |      |
| gt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]                                                                     | 1440                               | 1440           |      |
| gt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]                                                                     | 1920                               | 1920           |      |
| gt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]                                                                     | 2240                               | 2240           |      |
| gt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]                                                                     | 2400                               | 2400           |      |
| gt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]                                                                     | 2496                               | 2496           |      |
| gt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]                                                                     | 3552                               | 3552           |      |
| gt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]                                                                    | 3648                               | 3648           |      |
| gt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]                                                                    | 3936                               | 3936           |      |
| gt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]                                                                    | 4256                               | 4256           |      |
| gt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]                                                                    | 4544                               | 4544           |      |

2016-07-24, 12:48:31+0530



| Name                                              | Actual Value | Expected Value | Result   |
|---------------------------------------------------|--------------|----------------|----------|
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] | 4576         | 4576           | <b>✓</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] | 4736         | 4736           | ✓        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]    | -14          | -14            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]    | -16          | -16            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]    | -18          | -18            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]    | -20          | -20            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]    | -23          | -23            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]    | -25          | -25            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]    | -27          | -27            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]    | -29          | -29            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]    | -31          | -31            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]    | -33          | -33            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]   | -35          | -35            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]   | -37          | -37            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]   | -39          | -39            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]   | -41          | -41            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]   | -43          | -43            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]   | -45          | -45            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]    | 0            | 0              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]    | 0            | 0              | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]    | 0            | 0              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]    | 0            | 0              | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]    | 0            | 0              | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]    | 0            | 0              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]    | 0            | 0              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]    | 0            | 0              | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]    | 0            | 0              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]    | 0            | 0              | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]   | 0            | 0              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]   | 0            | 0              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]   | 0            | 0              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]   | 0            | 0              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]   | 0            | 0              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]   | 0            | 0              | ~        |

| Test Step 1.17 (Repeat Count = 1)                     | V                         |
|-------------------------------------------------------|---------------------------|
| Name                                                  | Input Value               |
| CurrTempOffCal                                        | tgt_CurrTempOffCal        |
| Rte_Inst_Sa_CmMtrCurr                                 | tgt_Rte_Inst_Sa_CmMtrCurr |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]  | 0                         |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]  | 192                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]  | 512                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]  | 832                       |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]  | 1152                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]  | 1472                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]  | 1792                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]  | 2112                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]  | 2432                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]  | 2752                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] | 3072                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] | 3392                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] | 3712                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] | 4032                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] | 4352                      |
| tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] | 4672                      |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]    | -47                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]    | -49                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]    | -51                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]    | -53                       |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]    | 2                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]    | 4                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]    | 6                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]    | 8                         |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]    | 10                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]    | 12                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]   | 14                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]   | 16                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]   | 18                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]   | 20                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]   | 23                        |
| tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]   | 25                        |

2016-07-24, 12:48:31+0530



| Name                                                | Input Value            |                |          |
|-----------------------------------------------------|------------------------|----------------|----------|
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]  | -14                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]  | -16                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]  | -18                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]  | -20                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]  | -23                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]  | -25                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]  | -27                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]  | -29                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]  | -31                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]  | -33                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10] | -35                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11] | -37                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12] | -39                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] | -41                    |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] | -43<br>-45             |                |          |
| tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] |                        |                |          |
| tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset        | tgt_Pim_CurrTempOffset | I=             |          |
| Name                                                | Actual Value           | Expected Value | Result   |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]    | 0                      | 0              | <b>Y</b> |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]    | 192                    | 192            | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]    | 512                    | 512            |          |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]    | 832                    | 832            | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]    | 1152                   | 1152           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]    | 1472                   | 1472           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]    | 1792                   | 1792           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]    | 2112                   | 2112           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]    | 2432                   | 2432           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]    | 2752                   | 2752           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]   | 3072                   | 3072           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]   | 3392                   | 3392           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]   | 3712                   | 3712           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]   | 4032                   | 4032           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]   | 4352                   | 4352           | ~        |
| tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]   | 4672                   | 4672           | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]      | -47                    | -47            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]      | -49                    | -49            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]      | -51                    | -51            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]      | -53                    | -53            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]      | 2                      | 2              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]      | 4                      | 4              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]      | 6                      | 6              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]      | 8                      | 8              | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]      | 10                     | 10             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]      | 12                     | 12             | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]     | 14                     | 14             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]     | 16                     | 16             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]     | 18                     | 18             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]     | 20                     | 20             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]     | 23                     | 23             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]     | 25                     | 25             | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]      | -14                    | -14            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]      | -16                    | -16            | <b>✓</b> |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]      | -18                    | -18            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]      | -20                    | -20            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]      | -23                    | -23            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]      | -25                    | -25            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]      | -27                    | -27            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]      | -29                    | -29            | •        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]      | -31                    | -31            | •        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]      | -33                    | -33            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]     | -35                    | -35            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]     | -37                    | -37            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]     | -39                    | -39            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]     | -41                    | -41            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]     | -43                    | -43            | ~        |
| tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]     | -45                    | -45            | ~        |
|                                                     |                        |                |          |