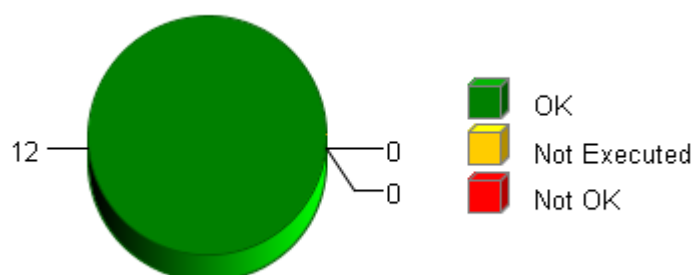


## Summary

**Total Test Objects:** 12  
**Successful:** 12  
**Failed:** 0  
**Not Executed:** 0  
**Date:** 2016-07-24  
**Time:** 12:30:13+0530

## Overall Test Object Results (including Coverage)



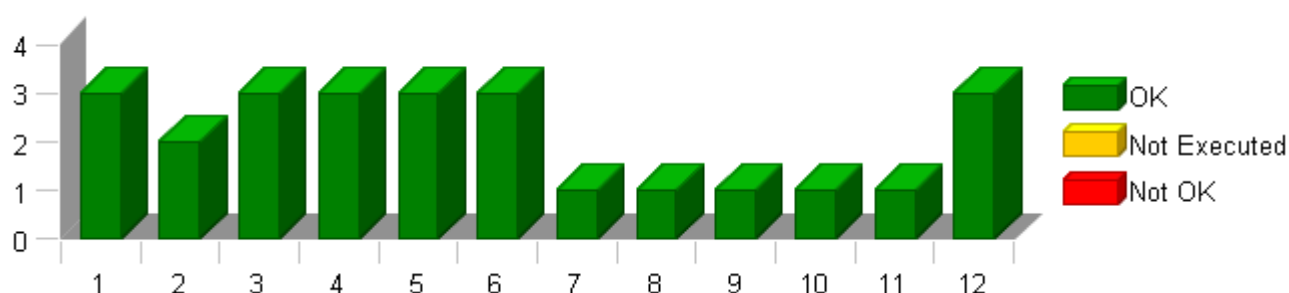
## Selected Project Items

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

## Used Test Environments

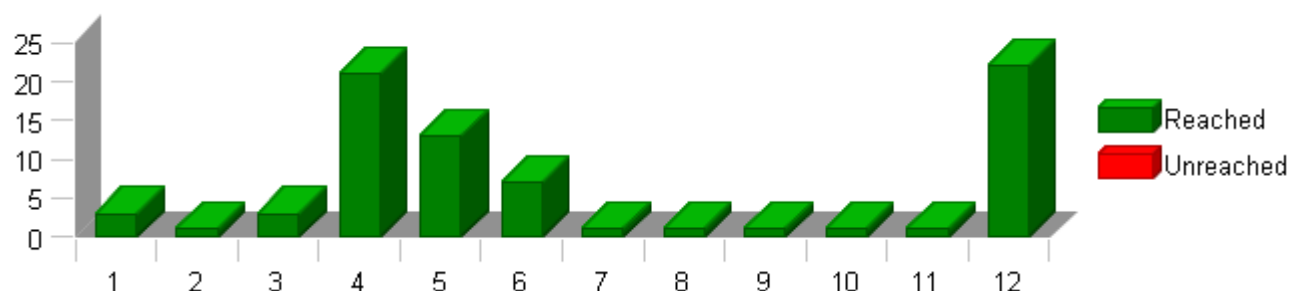
TI TMS 570 PLS UDE (Default)

## 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



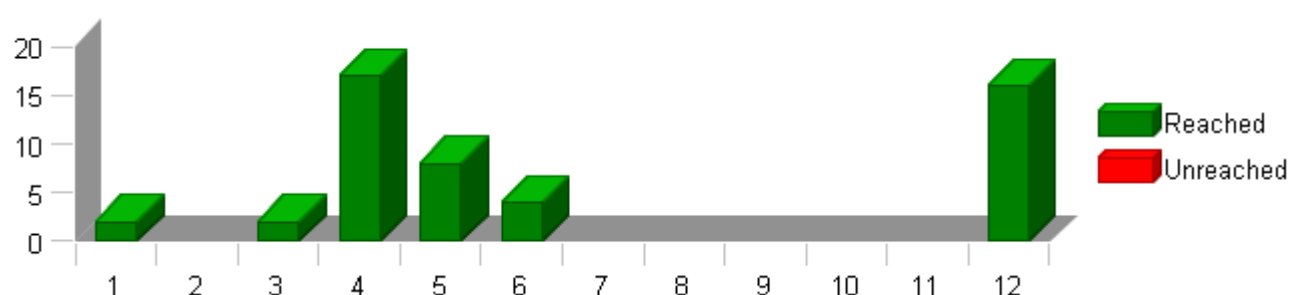
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

## 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.

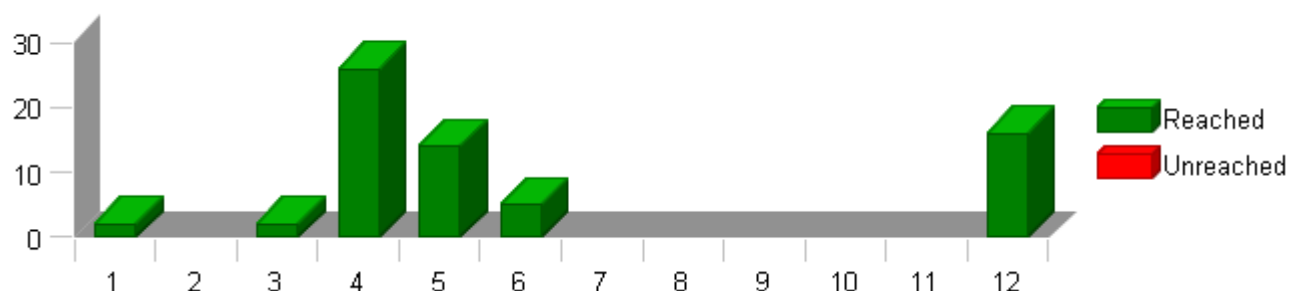
## Decision Coverage: Total Decision Outcomes for Each Test Object



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.

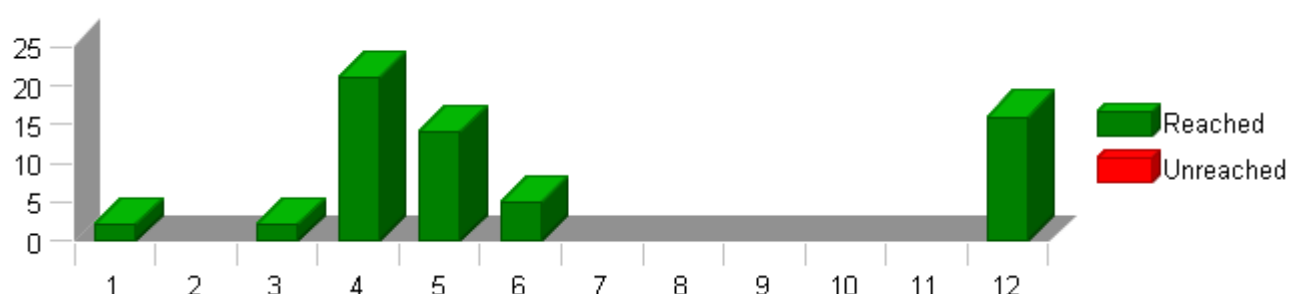
## MC/DC Coverage: Total Condition Combinations for Each Test Object



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 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	C1	DC	MC/DC	MCC	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_MTRCURRPHASEAB_ON	100 %	100 %	100 %	100 %	100 %	25 of 25 passed	✓
1	<a href="#">CmMtrCurr_Init</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
2	<a href="#">CmMtrCurr_Per1</a>	100 %	100 %	-	-	-	2 of 2 passed	✓
3	<a href="#">CmMtrCurr_Per2</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
4	<a href="#">CmMtrCurr_Per3</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
5	<a href="#">CmMtrCurr_SCom_CalGain</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
6	<a href="#">CmMtrCurr_SCom_CalOffset</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
7	<a href="#">CmMtrCurr_SCom_MtrCurrOffReadStatus</a>	100 %	100 %	-	-	-	1 of 1 passed	✓
8	<a href="#">CmMtrCurr_SCom_ReadMtrCurrCals</a>	100 %	100 %	-	-	-	1 of 1 passed	✓
9	<a href="#">CmMtrCurr_SCom_SetMtrCurrCals</a>	100 %	100 %	-	-	-	1 of 1 passed	✓
10	<a href="#">CmMtrCurrTempOffset_Scom_Get</a>	100 %	100 %	-	-	-	1 of 1 passed	✓
11	<a href="#">CmMtrCurrTempOffset_Scom_Set</a>	100 %	100 %	-	-	-	1 of 1 passed	✓
12	<a href="#">CurrDQPer1</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓

# TEST DETAILS REPORT

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CmMtrCurr\_Per1



Project	CmMtrCurr1
Module	CmMtrCurr_MTRCURRPHASEAB_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\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	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

## Comments/Description/Specification

Name	Text
Module 'CmMtrCurr_MTRCURRPHASEAB_ON	*****Unit Test Information*****  Name of Tester:Chandrananth 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):130 Total CALS 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 developer 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

# TEST DETAILS REPORT

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CmMtrCurr\_Per1



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 DETAILS REPORT

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CmMtrCurr\_Per1



## 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_FiltCntlTemp_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_FiltCntlTemp_DegC_f32	tgt_CmMtrCurr_Per1_FiltCntlTemp_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	0.00390625	0.00390625 ± 0.000000009	✔
tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	0.00390625	0.00390625 ± 0.000000009	✔

# TEST DETAILS REPORT

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CmMtrCurr\_Per1

T					✓
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				
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_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			✓



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T				
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]

CPU Cycles:

TC2.1 1047.00 Cycles  
TC2.2 1047.00 Cycles  
TC2.3 1047.00 Cycles  
TC2.4 1073.00 Cycles  
TC2.5 1071.00 Cycles  
TC2.6 1220.00 Cycles  
TC2.7 1047.00 Cycles  
TC2.8 1073.00 Cycles  
TC2.9 1047.00 Cycles  
TC2.10 1301.00 Cycles  
TC2.11 1047.00 Cycles  
TC2.12 1073.00 Cycles  
TC2.13 1202.00 Cycles  
TC2.14 1421.00 Cycles  
TC2.15 1073.00 Cycles  
TC2.16 1220.00 Cycles  
TC2.17 1047.00 Cycles  
TC2.18 1281.00 Cycles  
TC2.19 1381.00 Cycles  
TC2.20 1441.00 Cycles  
TC2.21 1301.00 Cycles  
TC2.22 1242.00 Cycles

**Description** VECTOR DESCRIPTION:

TS2.1 All Min  
TS2.2 All Max  
TS2.3 FiltCntrlTemp\_DegC\_f32==>Min  
TS2.4 FiltCntrlTemp\_DegC\_f32==>Max  
TS2.5 FiltCntrlTemp\_DegC\_f32==>Pos  
TS2.6 FiltCntrlTemp\_DegC\_f32==>Zero  
TS2.7 FiltCntrlTemp\_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\_Volts\_s4p11==>Min  
TS2.14 Rte\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11==>Max  
TS2.15 Rte\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11==>Pos  
TS2.16 Rte\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11==>Zero  
TS2.17 Rte\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11==>Neg  
TS2.18 Rte\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11==>Min  
TS2.19 Rte\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11==>Max  
TS2.20 Rte\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11==>Pos  
TS2.21 Rte\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11==>Zero  
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

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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_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	-0.0258789063	-0.025878906 ± 0.00000009	✔
tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	-0.0258789063	-0.025878906 ± 0.00000009	✔

T				
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

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Name	Input Value		
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_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	0.0258789063	0.025878906 ± 0.00000009	✔
tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	0.0258789063	0.025878906 ± 0.00000009	✔

T				
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 2.3 (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

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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_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	-0.0219726563	-0.021972656 ± 0.00000009	✔
tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	-0.0219726563	-0.021972656 ± 0.00000009	✔

T				
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)	
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

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Name	Input Value		
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		
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	✓

T					✓
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	

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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_FiltCntriTemp_DegC_f32	tgt_CmMtrCurr_Per1_FiltCntriTemp_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	-0.0112304688	-0.011230469 ± 0.00000009	✓
tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	-0.0112304688	-0.011230469 ± 0.00000009	✓

T					✓
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 2.6 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	
tgt_CmMtrCurr_Per1_FiltCntlTemp_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	

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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_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	✔

T				
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
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]	-25



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Name	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		
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	✔

T				
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 2.8 (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



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Name	Input Value		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]	25		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntlTemp_DegC_f32	tgt_CmMtrCurr_Per1_FiltCntlTemp_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	✔

T					✓
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 2.9 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	
tgt_CmMtrCurr_Per1_FiltCntlTemp_DegC_f32.value	-26.43644691	
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]	-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	
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_FiltCntlTemp_DegC_f32	tgt_CmMtrCurr_Per1_FiltCntlTemp_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	

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CmMtrCurr\_Per1

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	✓

T				
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)

Name	Input Value		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
tgt_CmMtrCurr_Per1_FiltCntlTemp_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_FiltCntlTemp_DegC_f32	tgt_CmMtrCurr_Per1_FiltCntlTemp_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	0.0078125	0.0078125 ± 0.000000009	✓
tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	0.0078125	0.0078125 ± 0.000000009	✓

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T					✓
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				
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_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	-0.0219726563	-0.021972656 ± 0.00000009			✓
tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	0.0009765625	0.000976563 ± 0.000000009			✓

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CmMtrCurr\_Per1

T				
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			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
tgt_CmMtrCurr_Per1_FiltCntriTemp_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			
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]	-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_FiltCntriTemp_DegC_f32	tgt_CmMtrCurr_Per1_FiltCntriTemp_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	-0.0068359375	-0.006835938 ± 0.000000009	✓	

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T				
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_Rte_Inst_Sa_CmMtrCurr			
tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value	18.53833246			
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]	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_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	-0.0258789063	-0.025878906 ± 0.00000009	✓	
tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	0.0009765625	0.000976563 ± 0.000000009	✓	

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T					✓
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	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_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	0.0258789063	0.025878906 ± 0.00000009			✓
tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	-0.0131835938	-0.013183594 ± 0.00000009			✓

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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)			
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_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	0.0161132813	0.016113281 ± 0.00000009	✓
tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	0.0161132813	0.016113281 ± 0.00000009	✓



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T				
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_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	0 ± 0.000009	✓	
tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	-0.0185546875	-0.018554688 ± 0.00000009	✓	



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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 2.17 (Repeat Count = 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			
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]	-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			
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_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	-0.0219726563	-0.021972656 ± 0.00000009	✓	
tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	0.0009765625	0.000976563 ± 0.000000009	✓	

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T				
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)				
Name	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			
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_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	-0.0161132813	-0.016113281 ± 0.00000009	✓	
tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	-0.0258789063	-0.025878906 ± 0.00000009	✓	

# TEST DETAILS REPORT

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CmMtrCurr\_Per1

T				
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	Input Value			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
tgt_CmMtrCurr_Per1_FiltCntriTemp_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			
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			
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_FiltCntriTemp_DegC_f32	tgt_CmMtrCurr_Per1_FiltCntriTemp_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	0.0078125	0.0078125 ± 0.00000009	✓	
tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	0.0258789063	0.025878906 ± 0.00000009	✓	

# TEST DETAILS REPORT

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CmMtrCurr\_Per1

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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			
tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value	143.1812282			
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			
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			
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]	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_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	0.0151367188	0.015136719 ± 0.00000009	✓	

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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			
tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value	79.95160198			
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_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	0.0078125	0.0078125 ± 0.0000009	✓	
tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	0	0 ± 0.000009	✓	

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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	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_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	0.0048828125	0.004882813 ± 0.000000009	✓	
tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	-0.0180664063	-0.018066406 ± 0.000000009	✓	

# TEST DETAILS REPORT

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CmMtrCurr\_Per1



T					✓
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 DETAILS REPORT

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CmMtrCurrTempOffset\_Scom\_Set



Project	CmMtrCurr1
Module	CmMtrCurr_MTRCURRPHASEAB_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\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	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

## Comments/Description/Specification

Name	Text
Module 'CmMtrCurr_MTRCURRPHASEAB_ON	*****Unit Test Information*****  Name of Tester:Chandrananth 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):130 Total CALS 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 developer 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



# TEST DETAILS REPORT

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CmMtrCurrTempOffset\_Scom\_Set



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 DETAILS REPORT

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CmMtrCurrTempOffset\_Scom\_Set



## Test Case 1: Range Test

Specification	Performance Metrics : [With "None" Instrumentation and WithPS Environment]
	CPU Cycles:
	TS1.1 743.00 Cycles
	TS1.2 669.00 Cycles
	TS1.3 621.00 Cycles
	TS1.4 621.00 Cycles
	TS1.5 621.00 Cycles
	TS1.6 621.00 Cycles
	TS1.7 621.00 Cycles
	TS1.8 621.00 Cycles
	TS1.9 621.00 Cycles
	TS1.10 621.00 Cycles
	TS1.11 621.00 Cycles
	TS1.12 621.00 Cycles
	TS1.13 621.00 Cycles
	TS1.14 621.00 Cycles
	TS1.15 621.00 Cycles
	TS1.16 621.00 Cycles
	TS1.17 621.00 Cycles
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==>Zero TS1.7 CurrTempOffCal1.CurrTempOffsetX_DegC_s10p5==>Neg TS1.8 CurrTempOffCal1.CurrOffsetY1_Volts_s4p11==>Min TS1.9 CurrTempOffCal1.CurrOffsetY1_Volts_s4p11==>Max TS1.10 CurrTempOffCal1.CurrOffsetY1_Volts_s4p11==>Pos TS1.11 CurrTempOffCal1.CurrOffsetY1_Volts_s4p11==>Zero TS1.12 CurrTempOffCal1.CurrOffsetY1_Volts_s4p11==>Neg TS1.13 CurrTempOffCal1.CurrOffsetY2_Volts_s4p11==>Min TS1.14 CurrTempOffCal1.CurrOffsetY2_Volts_s4p11==>Max TS1.15 CurrTempOffCal1.CurrOffsetY2_Volts_s4p11==>Pos TS1.16 CurrTempOffCal1.CurrOffsetY2_Volts_s4p11==>Zero TS1.17 CurrTempOffCal1.CurrOffsetY2_Volts_s4p11==>Neg

## Test Step 1.1 (Repeat Count = 1)

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

# TEST DETAILS REPORT

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CmMtrCurrTempOffset\_Scom\_Set

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_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	✓
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	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]	-1600	-1600	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	-1600	-1600	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]	-1600	-1600	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]	-1600	-1600	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]	-1600	-1600	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]	-1600	-1600	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]	-1600	-1600	✓
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]	-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	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock	1	✓	

# TEST DETAILS REPORT

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CmMtrCurrTempOffset\_Scom\_Set

Test Step 1.2 (Repeat Count = 1)				✓
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]	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]	4800			
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]	4800			
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]	4800			
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]	4800			
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]	4800			
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]	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		✓
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		✓

# TEST DETAILS REPORT

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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	✓

T				
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)	
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

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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]	-1600	-1600	✓
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	✓
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	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]	-1600	-1600	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	-1600	-1600	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]	-1600	-1600	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]	-1600	-1600	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]	-1600	-1600	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]	-1600	-1600	✓
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	-16	✓
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	-18	-18	✓
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]	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	✓
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]	33	33	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock	1	✓

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Test Step 1.4 (Repeat Count = 1)				✓
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]	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]	4800			
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]	4800			
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]	4800			
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]	4800			
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]	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			
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]	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		✓
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]	-47	-47		✓
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]	-49	-49		✓
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	-51	-51		✓



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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	✓

T					✓
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)		✓
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	



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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]	320	320	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]	480	480	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	640	640	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]	800	800	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	960	960	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]	1280	1280	✓
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	✓
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]	-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	✓
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]	-27	-27	✓
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]	-29	-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	✓
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	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock	1	✓

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## 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]	0		
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]	0		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]	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]	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		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]	29		
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]	4		
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		
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]	25		
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	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]	0	0	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]	0	0	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]	0	0	✓
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	✓
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]	2	2	✓
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]	4	4	✓
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	6	6	✓

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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	✓
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	✓
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	✓

T				
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)	
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

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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_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	✓
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	✓
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]	33	33	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock	1	✓

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## 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		
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]	-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[15]	2560	2560	✔
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	✔

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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]	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	✓

T					✓
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	



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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	✓
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	✓
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]	-27	-27	✓
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]	-29	-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	✓
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	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock	1	✓

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## Test Step 1.10 (Repeat Count = 1)

Name	Input Value		
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		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]	1248		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]	1344		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]	1568		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]	1664		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_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		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]	2624		
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		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]	29		
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]	4		
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		
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]	25		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	tgt_Pim_CurrTempOffset		
Name	Actual Value	Expected Value	Result
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]	288	288	✔
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]	384	384	✔
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	608	608	✔
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]	704	704	✔
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	928	928	✔
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]	1024	1024	✔
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	✔
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]	1664	1664	✔
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	1888	1888	✔
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	✔
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]	2528	2528	✔
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]	2624	2624	✔
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]	2	2	✔
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]	4	4	✔
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	6	6	✔



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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	✓
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	✓
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	✓

T					✓
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	

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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	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]	192	192	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	288	288	✓
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	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock	1	✓



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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]	-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	✓
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]	-27	-27	✓
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]	-29	-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	✓
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	✓

T				
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)	
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

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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	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]	320	320	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	640	640	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]	960	960	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	1600	1600	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]	1280	1280	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]	1920	1920	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]	2240	2240	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]	2560	2560	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]	2880	2880	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	3200	3200	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]	3520	3520	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]	3840	3840	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]	4160	4160	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]	4480	4480	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]	4800	4800	✓
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]	-47	-47	✓
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	✓
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]	-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	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock	1	✓

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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			
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]	3424			
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			
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]	29			
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]	31			
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]	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			
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]	224	224		✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]	544			

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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	✓
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	✓
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	✓

T					✓
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)		✓
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	



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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	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]	1952	1952	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]	2272	2272	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]	2592	2592	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]	2912	2912	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	3232	3232	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]	3552	3552	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]	3872	3872	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]	4192	4192	✓
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	✓
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	✓
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	✓
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]	33	33	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock	1	✓



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## 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	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	480	480	✓
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	✓
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]	-16	-16	✓
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	-18	-18	✓



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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	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	512	512	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]	832	832	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	1152	1152	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]	1472	1472	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]	1792	1792	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]	2112	2112	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]	2432	2432	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]	2752	2752	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	3072	3072	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]	3392	3392	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]	3712	3712	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]	4032	4032	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]	4352	4352	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]	4672	4672	✓
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]	-47	-47	✓
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	✓
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]	-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	✓
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]	-27	-27	✓
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]	-29	-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	✓
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	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock	1	✓



# TEST DETAILS REPORT

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CmMtrCurr\_SCom\_CalOffset



Project	CmMtrCurr1
Module	CmMtrCurr_MTRCURRPHASEAB_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 ✓
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	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

## Comments/Description/Specification

Name	Text
------	------

# TEST DETAILS REPORT

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CmMtrCurr\_SCom\_CalOffset

Module  
'CmMtrCurr\_MTRCURRPHASEAB\_ON

\*\*\*\*\*Unit Test Information\*\*\*\*\*

Name of Tester:Chandrananth 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):130  
Total CALS 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 developer 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 DETAILS REPORT

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CmMtrCurr\_SCom\_CalOffset



## Test Case 1: Metrics Test

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

CPU Cycles:

TC1.1 1036.00 Cycles  
TC1.2 1052.00 Cycles

**Description** VECTOR DESCRIPTION:

TS1.1 Shortest Execution Path==> (Abs\_f32\_m(MtrVel\_MtrRadpS\_T\_f32) < k\_MaxCurrOffMtrVel\_RadpS\_f32) = False  
TS1.2 "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\_Igc == TRUE) = False"

### Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✔
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	0	0	✔
CmMtrCurr_SCom_CalOffset()	34	34	✔
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	0	0	✔

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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

### Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	0		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✔
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	1	1	✔
CmMtrCurr_SCom_CalOffset()	21	21	✔
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	1	1	✔

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CmMtrCurr\_SCom\_CalOffset



## Test Case 2: Range Test

### Specification

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

CPU Cycles:

TC2.1 1036.00 Cycles  
TC2.2 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  
TC2.8 1046.00 Cycles  
TC2.9 1034.00 Cycles  
TC2.10 1036.00 Cycles  
TC2.11 1046.00 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  
TC2.20 1044.00 Cycles

### Description

VECTOR DESCRIPTION:

TS2.1All Min  
TS2.2All Max  
TS2.3CurrentGainSvc\_Cnt\_M\_Igc==>True  
TS2.4CurrentGainSvc\_Cnt\_M\_Igc==>False  
TS2.5MtrVel\_MtrRadpS\_f32==>Min  
TS2.6MtrVel\_MtrRadpS\_f32==>Max  
TS2.7MtrVel\_MtrRadpS\_f32==>Pos  
TS2.8MtrVel\_MtrRadpS\_f32==>Zero  
TS2.9MtrVel\_MtrRadpS\_f32==>Neg  
TS2.10VhSpdValid\_Cnt\_Igc==>True  
TS2.11VhSpdValid\_Cnt\_Igc==>false  
TS2.12k\_MaxCurrOffMtrVel\_RadpS\_f32==>Min  
TS2.13k\_MaxCurrOffMtrVel\_RadpS\_f32==>Max  
TS2.14k\_MaxCurrOffMtrVel\_RadpS\_f32==>Pos  
TS2.15k\_MaxCurrOffMtrVel\_RadpS\_f32==>Zero  
TS2.16k\_MaxCurrOffMtrVel\_RadpS\_f32==>Neg  
TS2.17k\_MaxCurrOffMtrVel\_RadpS\_f32==>Default  
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_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	-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	✔

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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓



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## Test Step 2.2 (Repeat Count = 1) ✓

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✔
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	1	1	✔
CmMtrCurr_SCom_CalOffset()	34	34	✔
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	1	1	✔

T ✓				
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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

## Test Step 2.3 (Repeat Count = 1) ✓

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	0		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✔
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	1	1	✔
CmMtrCurr_SCom_CalOffset()	34	34	✔
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	1	1	✔

T ✓				
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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

## Test Step 2.4 (Repeat Count = 1) ✓

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✔
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	0	0	✔
CmMtrCurr_SCom_CalOffset()	34	34	✔
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	0	0	✔

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CmMtrCurr\_SCom\_CalOffset



T				
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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

Test Step 2.5 (Repeat Count = 1)				
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	0			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✓	
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	0	0	✓	
CmMtrCurr_SCom_CalOffset()	34	34	✓	
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	0	0	✓	

T				
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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

Test Step 2.6 (Repeat Count = 1)				
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	0			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✓	
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	1	1	✓	
CmMtrCurr_SCom_CalOffset()	34	34	✓	
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	1	1	✓	

T				
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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

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## Test Step 2.7 (Repeat Count = 1)



Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	1		
Name	Actual Value	Expected Value	Result

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T				
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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

Test Step 2.10 (Repeat Count = 1)				
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	1			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✓	
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	1	1	✓	
CmMtrCurr_SCom_CalOffset()	34	34	✓	
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	1	1	✓	

T				
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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

Test Step 2.11 (Repeat Count = 1)				
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	0			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✓	
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	0	0	✓	
CmMtrCurr_SCom_CalOffset()	21	21	✓	
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	0	0	✓	

T				
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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

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## Test Step 2.12 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	0		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✔
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	1	1	✔
CmMtrCurr_SCom_CalOffset()	34	34	✔
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	1	1	✔

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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

## Test Step 2.13 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✔
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	0	0	✔
CmMtrCurr_SCom_CalOffset()	34	34	✔
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	0	0	✔

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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

## Test Step 2.14 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	0		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✔
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	1	1	✔
CmMtrCurr_SCom_CalOffset()	34	34	✔
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	1	1	✔

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T				
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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

## Test Step 2.15 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✓
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	0	0	✓
CmMtrCurr_SCom_CalOffset()	34	34	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	0	0	✓

T				
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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

## Test Step 2.16 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	0		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✓
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	1	1	✓
CmMtrCurr_SCom_CalOffset()	34	34	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	1	1	✓

T				
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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

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## Test Step 2.17 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	1	1	✔
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	1	1	✔
CmMtrCurr_SCom_CalOffset()	0	0	✔
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	1	1	✔

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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

## Test Step 2.18 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	1	1	✔
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	1	1	✔
CmMtrCurr_SCom_CalOffset()	0	0	✔
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	1	1	✔

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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

## Test Step 2.19 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	0		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✔
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	1	1	✔
CmMtrCurr_SCom_CalOffset()	21	21	✔
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	1	1	✔

# TEST DETAILS REPORT

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CmMtrCurr\_SCom\_CalOffset



T					✓
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)

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	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			✓
CmMtrCurr_SCom_CalOffset()	21	21			✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data)	0	0			✓

## Test Case 3: Path Test

**Specification** Performance Metrics :  
[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) && (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)

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	-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 DETAILS REPORT

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CmMtrCurr\_SCom\_CalOffset



T				
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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

Test Step 3.2 (Repeat Count = 1)				
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	1			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✓	
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	1	1	✓	
CmMtrCurr_SCom_CalOffset()	21	21	✓	
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	1	1	✓	

T				
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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

Test Step 3.3 (Repeat Count = 1)				
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	1			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	1	1	✓	
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	1	1	✓	
CmMtrCurr_SCom_CalOffset()	0	0	✓	
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	1	1	✓	

T				
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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

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CmMtrCurr\_SCom\_CalOffset



## Test Step 3.4 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✔
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	0	0	✔
CmMtrCurr_SCom_CalOffset()	21	21	✔
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	0	0	✔

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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

## Test Step 3.5 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	0		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✔
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	0	0	✔
CmMtrCurr_SCom_CalOffset()	21	21	✔
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	0	0	✔

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	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc	1	✓

# TEST DETAILS REPORT

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CmMtrCurr\_Per3



Project	CmMtrCurr1
Module	CmMtrCurr_MTRCURRPHASEAB_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\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	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

## Comments/Description/Specification

Name	Text
------	------

# TEST DETAILS REPORT

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CmMtrCurr\_Per3

Module  
'CmMtrCurr\_MTRCURRPHASEAB\_ON

\*\*\*\*\*Unit Test Information\*\*\*\*\*

Name of Tester:Chandrananth 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 2.7/d/ 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  
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 developer 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 DETAILS REPORT

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CmMtrCurr\_Per3

## Test Case 1: Metrics Test

### Specification

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

CPU Cycles:

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\_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\_MtrCurrEOLMaxOffset\_Volts\_f32) = True &&  
(CmMtrCurr\_MtrCurr2OffsetHi\_Volt\_M\_f32 >= k\_MtrCurrEOLMinOffset\_Volts\_f32) = True &&  
(CmMtrCurr\_MtrCurr2OffsetHi\_Volt\_M\_f32 <= k\_MtrCurrEOLMaxOffset\_Volts\_f32) = False"

## Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	5		
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_HIAVERAGE		
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0		
CmMtrCurr_CurroffProcessFlag_M_enum	3		
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	1.03384912		
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	3		
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	3		
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	2.09357047		
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	1.0530895		
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	3		
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	2.72687054		
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	1.30570102		
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3		
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	1.1556983		
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	2.97496986		
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	2.12170625		
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	31777.1211		
CmMtrCurr_VecuSum_Volt_M_f32	0		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrOffNoofAvg_Cnt_u16	12		
k_MaxCurrOffMtrVel_RadpS_f32	17.3677788		
k_MtrCurrEOLMaxOffset_Volts_f32	3		
k_MtrCurrEOLMinOffset_Volts_f32	3		
k_MtrCurrOffLoComOff_Cnt_u16	562		
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	1		
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_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	5	5 ± 1	✔
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✔
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	✔

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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	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	2.97496986	2.97496986 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	2.12170625	2.12170625 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	31777.1211	31777.1211 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	0	0 ± 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	✓

T					✓
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 DETAILS REPORT

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## Test Step 1.2 (Repeat Count = 1)

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
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	2.04112172
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
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	6	6 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	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	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2	2 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	2.04112172	2.04112172 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	2.83894515	2.83894515 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	1.99014759	1.99014759 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	23218.2402	23218.2402 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	18.0116081	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	✓

# TEST DETAILS REPORT

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## Test Case 2: Range Test





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## Specification

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

CPU Cycles:

TC2.1	1141 Cycles
TC2.2	1147 Cycles
TC2.3	1272 Cycles
TC2.5	1214 Cycles
TC2.4	1214 Cycles
TC2.6	1188 Cycles
TC2.7	1188 Cycles
TC2.8	1188 Cycles
TC2.9	1188 Cycles
TC2.10	1188 Cycles
TC2.11	1188 Cycles
TC2.12	1133 Cycles
TC2.13	1133 Cycles
TC2.14	1133 Cycles
TC2.15	1133 Cycles
TC2.16	1133 Cycles
TC2.17	1133 Cycles
TC2.18	1133 Cycles
TC2.19	1133 Cycles
TC2.20	1133 Cycles
TC2.21	1133 Cycles
TC2.22	1133 Cycles
TC2.23	1071 Cycles
TC2.24	1133 Cycles
TC2.25	1071 Cycles
TC2.26	1071 Cycles
TC2.27	1133 Cycles
TC2.28	1133 Cycles
TC2.29	1133 Cycles
TC2.30	1133 Cycles
TC2.31	1133 Cycles
TC2.32	1133 Cycles
TC2.33	1261 Cycles
TC2.34	1231 Cycles
TC2.35	1168 Cycles
TC2.36	1175 Cycles
TC2.37	1175 Cycles
TC2.38	1168 Cycles
TC2.39	1168 Cycles
TC2.40	1168 Cycles
TC2.41	1168 Cycles
TC2.42	1168 Cycles
TC2.43	1168 Cycles
TC2.44	1168 Cycles
TC2.45	1168 Cycles
TC2.46	1168 Cycles
TC2.47	1168 Cycles
TC2.48	1168 Cycles
TC2.49	1168 Cycles
TC2.50	1175 Cycles
TC2.51	1175 Cycles
TC2.52	1175 Cycles
TC2.53	1175 Cycles
TC2.54	1175 Cycles
TC2.55	1175 Cycles
TC2.56	1194 Cycles
TC2.57	1194 Cycles
TC2.58	1194 Cycles
TC2.59	1194 Cycles
TC2.60	1194 Cycles
TC2.61	1194 Cycles
TC2.62	1249 Cycles
TC2.63	1195 Cycles
TC2.64	1195 Cycles
TC2.65	1195 Cycles
TC2.66	1195 Cycles
TC2.67	1195 Cycles
TC2.68	1177 Cycles
TC2.69	1195 Cycles
TC2.70	1284 Cycles
TC2.71	1307 Cycles
TC2.72	1238 Cycles
TC2.73	1214 Cycles
TC2.74	1314 Cycles
TC2.75	1233 Cycles
TC2.76	1157 Cycles
TC2.77	1175 Cycles
TC2.78	1175 Cycles
TC2.79	1157 Cycles
TC2.80	1782 Cycles
TC2.81	1801 Cycles
TC2.82	1785 Cycles
TC2.83	1093 Cycles
TC2.84	1093 Cycles
TC2.85	1031 Cycles
TC2.86	1031 Cycles
TC2.87	1031 Cycles
TC2.88	1031 Cycles
TC2.89	1031 Cycles
TC2.90	1093 Cycles
TC2.91	1031 Cycles
TC2.92	1093 Cycles
TC2.93	1093 Cycles
TC2.94	1031 Cycles
TC2.95	1093 Cycles
TC2.96	1093 Cycles
TC2.97	1031 Cycles
TC2.98	1148 Cycles
TC2.99	1148 Cycles
TC2.100	1148 Cycles
TC2.101	1307 Cycles
TC2.102	1307 Cycles
TC2.103	1283 Cycles
TC2.103	1285 Cycles
TC2.104	1285 Cycles

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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
	TS2.15MtrVel_MtrRadpS_f32==>Zero
	TS2.16MtrVel_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
	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==>Max
	TS2.30k_MaxCurrOffMtrVel_RadpS_f32==>Pos
	TS2.31k_MaxCurrOffMtrVel_RadpS_f32==>Zero
	TS2.32k_MaxCurrOffMtrVel_RadpS_f32==>Neg
	TS2.33k_MaxCurrOffMtrVel_RadpS_f32==>Default
	TS2.34CurrOffState_ULS_M_enum==>CURROFF_INTIALISE
	TS2.35CurrOffState_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==>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
	TS2.79MtrCurr2OffsetHi_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==>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
	TS2.90Rte_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

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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)

Name	Input Value		
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	0		
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE		
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_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	0	0 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✓
CmMtrCurr_CurroffProcessFlag_M_enum	0	0	✓
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	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	0	0 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	0	0 ± 0.0003	✓
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	✓

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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	✓

T				
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)

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	3
k_MtrCurrOffLoComOff_Cnt_u16	1500
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
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_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	10000	10000 ± 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	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	✓

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Name	Actual Value	Expected Value	Result
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	50000	50000 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	50000	50000 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	50000	50000 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	80000	80000 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	1984	1984 ± 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	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	✓

T				
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_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	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
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	2.40007114
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_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	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	✓

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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	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.69485998	1.69485998 ± 0.0003	✓
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	✓
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	✓

T					✓
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 2.4 (Repeat Count = 1)					✓
Name	Input Value				
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	2				
CmMtrCurr_CurrOffState_Uls_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_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	✓		

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CmMtrCurr\_Per3

Name	Actual Value	Expected Value	Result
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	3.32500005	3.32500005 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	2.46805692	2.46805692 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.46805692	2.46805692 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	21.3649998	21.3649998 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	99.2750015	99.2750015 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	15490.3604	15490.3604 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	4.3657999	4.3657999 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3.75889993	3.75889993 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	2.35386825	2.35386825 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	166.054993	166.054993 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	100.366791	100.366791 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	27914.8262	27914.8262 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	255.095001	255.095001 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.93776929	1.93776929 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.30192566	2.30192566 ± 0.0003	✓

T					✓
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 2.5 (Repeat Count = 1)		✓
Name	Input Value	
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	3	
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	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		



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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_Igc		
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_INITIALISE	CURROFF_INITIALISE	✔
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	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	✔
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	✔

T					✓
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 2.6 (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		



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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_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	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	✔
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	2.58597875	2.58597875 ± 0.0003	✔
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.58597875	2.58597875 ± 0.0003	✔
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	✔
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3	3 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	1.14592612	1.14592612 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	188.315002	188.315002 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	121.535004	121.535004 ± 0.0003	✔
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	✔

T					✓
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 2.7 (Repeat Count = 1)		
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	

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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_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	6	6 ± 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	1.93872654	1.93872654 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	2.14313006	2.14313006 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.14313006	2.14313006 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	55.9627914	55.9627914 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	12546.25	12546.25 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	24310.6895	24310.6895 ± 0.0003	✓
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	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	42270.7656	42270.7656 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	315.103058	315.103088 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	4000	4000 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	42859.8672	42859.8672 ± 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	1.67476642	1.67476642 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✓

T					✓
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)		✓
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	

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CmMtrCurr\_Per3

Name	Input Value
k_MtrCurrEOLMaxOffset_Volts_f32	2.99140501
k_MtrCurrEOLMinOffset_Volts_f32	2.63000679
k_MtrCurrOffLoComOff_Cnt_u16	800
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
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	7	7 ± 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	2.69017243	2.69017243 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	2.94488144	2.94488144 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.94488144	2.94488144 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	68.8850021	68.8850021 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	15487.3604	15487.3604 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	27251.8008	27251.8008 ± 0.0003	✓
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	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	4.27322626	4.27322626 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	210.574997	210.574997 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	143.794998	143.794998 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	68027.5	68027.5 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	313.395538	313.395538 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	4000	4000 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	20585.7949	20585.7949 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.5396297	2.5396297 ± 0.0003	✓
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	✓

T				
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 2.9 (Repeat Count = 1)	
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	4.19999981
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	1.82674897
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	221.705002

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CmMtrCurr\_Per3

Name	Input Value		
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	154.925003		
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	41807.7383		
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	17.6823654		
k_MtrCurrEOLMaxOffset_Volts_f32	2.54037666		
k_MtrCurrEOLMinOffset_Volts_f32	2.20696926		
k_MtrCurrOffLoComOff_Cnt_u16	850		
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	0.0560705662		
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	1.02651572		
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	17		
tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	5		
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	1.32093003e-008		
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	1		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	31152.4238		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.01032639		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.75043988		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.13556504		
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	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	✔
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	2.3003974	2.3003974 ± 0.0003	✔
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	2.68251061	2.68251061 ± 0.0003	✔
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.68251061	2.68251061 ± 0.0003	✔
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	77.0710678	77.0710678 ± 0.0003	✔
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	18428.4707	18428.4707 ± 0.0003	✔
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	30192.9102	30192.9102 ± 0.0003	✔
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1.91343355	1.91343355 ± 0.0003	✔
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	4.92180014	4.92180014 ± 0.0003	✔
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	✔
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	41807.7383	41807.7383 ± 0.001	✔
CmMtrCurr_VecuSum_Volt_M_f32	315.744995	315.744995 ± 0.0009765625	✔
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	4000	4000 ± 1	✔
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	31152.4238	31152.4238 ± 0.004	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.01032639	1.01032639 ± 0.0003	✔
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	✔

T					✔
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	

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CmMtrCurr\_Per3

Name	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
k_MtrCurrEOLMinOffset_Volts_f32	1.79059577
k_MtrCurrOffLoComOff_Cnt_u16	900
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	3
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	1
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	3217.23193
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.22488117
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	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	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1.35347366	1.35347366 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	91.1449966	91.1449966 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	21369.5801	21369.5801 ± 0.0003	✓
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	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	232.835007	232.835007 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	166.054993	166.054993 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	2316.12231	2316.12231 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	352.875	352.875 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	4000	4000 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	3217.23193	3217.23193 ± 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	2.22488117	2.22488117 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✓

T					✓
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 2.11 (Repeat Count = 1)		✓
Name	Input Value	
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	9	
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_HIAVERAGE	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1	

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CmMtrCurr\_Per3

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
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	10	10 ± 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	2.4301908	2.4301908 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	1.7515341	1.7515341 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1.7515341	1.7515341 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	102.275002	102.275002 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	24310.6895	24310.6895 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	36075.1289	36075.1289 ± 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	4.4000001	4.4000001 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	2.125386	2.125386 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	12546.25	12546.25 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	177.184998	177.184998 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	50238.3359	50238.3359 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	348.505005	348.505005 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	4000	4000 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	10727.9072	10727.9072 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.96896577	2.96896577 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.0980438	1.0980438 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.91172564	1.91172564 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✓

T				
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	✓

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CmMtrCurr\_Per3

## 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_MtrCurr2OffsetZero_Volt_M_f32	4.5
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	3
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_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	10	10 ± 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	1.79951966	1.79951966 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	2.13700366	2.13700366 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.13700366	2.13700366 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	110.404999	110.404999 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	27251.8008	27251.8008 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	39016.2383	39016.2383 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	2.41001582	2.41001582 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.16096163	2.16096163 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	4.5	4.5 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	15487.3604	15487.3604 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	12546.25	12546.25 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	33128.5508	33128.5508 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	344.13501	344.13501 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	12078.0166	12078.0166 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3	3 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.53875852	1.53875852 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.33318686	2.33318686 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.6578269	2.6578269 ± 0.0003	✓



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CmMtrCurr\_Per3

T				
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 2.13 (Repeat Count = 1)				
Name	Input Value			
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	11			
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			
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	2.804142			
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			
k_CurrOffNoofAvg_Cnt_u16	35			
k_MaxCurrOffMtrVel_RadpS_f32	6.92200041			
k_MtrCurrEOLMaxOffset_Volts_f32	3			
k_MtrCurrEOLMinOffset_Volts_f32	3			
k_MtrCurrOffLoComOff_Cnt_u16	1050			
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	0.181411028			
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	3			
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	1118			
tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	28.6460514			
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	35.6961212			
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	1			
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	71382.9688			
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.16483665			
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.15002513			
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3			
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.73837662			
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	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	✓	
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	2.22717118	2.22717118 ± 0.0003	✓	
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.48580837	2.48580837 ± 0.0003	✓	
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	4.5999999	4.5999999 ± 0.0003	✓	
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	3	3 ± 0.0003	✓	
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	18428.4707	18428.4707 ± 0.0003	✓	
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	15487.3604	15487.3604 ± 0.0003	✓	
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	39491.5234	39491.5234 ± 0.001	✓	
CmMtrCurr_VecuSum_Volt_M_f32	355.265015	355.265015 ± 0.0009765625	✓	
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓	



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CmMtrCurr\_Per3

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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.15002513	2.15002513 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3	3 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.73837662	2.73837662 ± 0.0003	✓

T				
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 2.14 (Repeat Count = 1)

Name	Input Value
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	12
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE
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_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	12	12 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✓
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	3.98539996	3.98539996 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	2.64458537	2.64458537 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.64458537	2.64458537 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	132.664993	132.664993 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	33134.0195	33134.0195 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	44898.4609	44898.4609 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	2.52430105	2.52430105 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	3.2650001	3.2650001 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	4.69999981	4.69999981 ± 0.0003	✓

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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	✓

T					✓
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 2.15 (Repeat Count = 1)

Name	Input Value
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	13
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1
CmMtrCurr_CurroffProcessFlag_M_enum	2
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_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	13	13 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✓
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	1.69485998	1.69485998 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	2.66018128	2.66018128 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.66018128	2.66018128 ± 0.0003	✓

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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	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	2.94962287	2.94962287 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	1.73390043	1.73390043 ± 0.0003	✓
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	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	21369.5801	21369.5801 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	3181.11108	3181.11108 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	377.524994	377.524994 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	57525.4609	57525.4609 ± 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	2.54585195	2.54585195 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.38396788	2.38396788 ± 0.0003	✓

T					✓
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 2.16 (Repeat Count = 1)					✓
Name	Input Value				
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	14				
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_HIAVERAGE				
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_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	14	14 ± 1	✓		

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CmMtrCurr\_Per3

Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1.78107488	1.78107488 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	154.925003	154.925003 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	39016.2383	39016.2383 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	154.925003	154.925003 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	2.03602362	2.03602362 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	3.98749995	3.98749995 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.92550302	2.92550302 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	1.3337326	1.3337326 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	27251.8008	27251.8008 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	24310.6895	24310.6895 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	3614.49951	3614.49951 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	388.654999	388.654999 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	14597.293	14597.293 ± 0.004	✓
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	✓

T					✓
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 2.17 (Repeat Count = 1)		✓
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_lgc.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	

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CmMtrCurr\_Per3

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_Igc		
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_INITIALISE	CURROFF_INITIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	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	✓

T					✓
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 2.18 (Repeat Count = 1) ✓

Name	Input Value
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	16
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	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_Igc.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

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CmMtrCurr\_Per3

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_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	16	16 ± 1	✔
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✔
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	2.06366134	2.06366134 ± 0.0003	✔
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.06366134	2.06366134 ± 0.0003	✔
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	12546.25	12546.25 ± 0.0003	✔
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	44898.4609	44898.4609 ± 0.0003	✔
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	177.184998	177.184998 ± 0.0003	✔
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3	3 ± 0.0003	✔
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.44942665	2.44942665 ± 0.0003	✔
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.3681531	2.3681531 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	1.37339675	1.37339675 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	33134.0195	33134.0195 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	30192.9102	30192.9102 ± 0.0003	✔
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	32372.3828	32372.3828 ± 0.001	✔
CmMtrCurr_VecuSum_Volt_M_f32	410.915009	410.915009 ± 0.0009765625	✔
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✔
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	33462.3984	33462.3984 ± 0.004	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.43301225	1.43301225 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.2017374	2.2017374 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.4267602	1.4267602 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.13100731	1.13100731 ± 0.0003	✔

T					✓
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 2.19 (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	

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CmMtrCurr\_Per3

Name	Input Value
tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	15.8433237
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	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_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	17	17 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✓
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	4.52099991	4.52099991 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	3.98569989	3.98569989 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	3.98569989	3.98569989 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	15487.3604	15487.3604 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	47839.5703	47839.5703 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	188.315002	188.315002 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	2.18046904	2.18046904 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	1.66692173	1.66692173 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.1426152	1.1426152 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	1.4738692	1.4738692 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	36075.1289	36075.1289 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	33134.0195	33134.0195 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	25421.9316	25421.9316 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	422.045013	422.045013 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	53783.1406	53783.1406 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.19870925	1.19870925 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3	3 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.58489704	2.58489704 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.38878167	1.38878167 ± 0.0003	✓

T					✓
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 2.20 (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	



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CmMtrCurr\_Per3

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_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	18	18 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✓
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	4.0999999	4.0999999 ± 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	18428.4707	18428.4707 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	1.82349932	1.82349932 ± 0.0003	✓
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	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	39016.2383	39016.2383 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	36075.1289	36075.1289 ± 0.0003	✓
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	✓
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	✓

T				
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 2.21 (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



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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
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_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	19	19 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	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	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	25.1210327	25.1210327 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	41957.3516	41957.3516 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	39016.2383	39016.2383 ± 0.0003	✓
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	✓
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	✓

T					✓
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)		✓
Name	Input Value	
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	20	
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	
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	

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CmMtrCurr\_Per3

Name	Input Value		
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	221.705002		
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3		
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	3		
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3		
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	80		
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	3		
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_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	20	20 ± 1	✔
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✔
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	✔
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 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	23.8775063	23.8775063 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	44898.4609	44898.4609 ± 0.0003	✔

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CmMtrCurr\_Per3

Name	Input Value
CmMtrCurr_CurroffProcessFlag_M_enum	3
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
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	31777.1211
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	1
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_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	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	✓

T				
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	✓

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CmMtrCurr\_Per3

## 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	30192.9102
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	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	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_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	22	22 ± 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	2.4301908	2.4301908 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.4301908	2.4301908 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	30192.9102	30192.9102 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	2.49484968	2.49484968 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	243.964996	243.964996 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1.91161692	1.91161692 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	3.65869999	3.65869999 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	35.2140007	35.2140007 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	110.404999	110.404999 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	47839.5703	47839.5703 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	56885.8242	56885.8242 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	477.695007	477.695007 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	35326.4414	35326.4414 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.19832134	1.19832134 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.70113182	2.70113182 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.12521768	2.12521768 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.1041311	1.1041311 ± 0.0003	✓

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CmMtrCurr\_Per3

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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
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	23	23 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	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	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	306.320007	306.320007 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	121.535004	121.535004 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	36.25	36.25 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	50238.3359	50238.3359 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	488.825012	488.825012 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓

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CmMtrCurr\_Per3

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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.0980438	1.0980438 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.91172564	1.91172564 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✓

T				
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 2.26 (Repeat Count = 1)

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
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
k_CurrOffNoofAvg_Cnt_u16	100
k_MaxCurrOffMtrVel_RadpS_f32	7.48777437
k_MtrCurrEOLMaxOffset_Volts_f32	2.68959165
k_MtrCurrEOLMinOffset_Volts_f32	1.08763385
k_MtrCurrOffLoComOff_Cnt_u16	987
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	2.36983299
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	1.32406759
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	-663.051086
tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	12.4553289
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	172.531006
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	0
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	16086.1211
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.52357078
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.91988373
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.69713283
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	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	✓

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CmMtrCurr\_Per3

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	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	303.209991	303.209991 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	78099.0078	78099.0078 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	499.954987	499.954987 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	16086.1211	16086.1211 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.52357078	1.52357078 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3	3 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.91988373	2.91988373 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.69713283	2.69713283 ± 0.0003	✓

T					✓
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 2.27 (Repeat Count = 1)

Name	Input Value
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	25
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE
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_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	25	25 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✓
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	4.80000019	4.80000019 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	3.98539996	3.98539996 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	3.98539996	3.98539996 ± 0.0003	✓



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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	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.94488144	2.94488144 ± 0.0003	✓
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	✓

T					✓
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 2.28 (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				
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	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_lgc.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_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	26	26 ± 1	✓		



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CmMtrCurr\_Per3

Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✓
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	2.92550302	2.92550302 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	1.69485998	1.69485998 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1.69485998	1.69485998 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	41957.3516	41957.3516 ± 0.0003	✓
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	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	154.925003	154.925003 ± 0.0003	✓
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	✓

T					✓
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 2.29 (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	

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CmMtrCurr\_Per3

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_Igc		
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_INITIALISE	CURROFF_INITIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✓
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	1.38621521	1.38621521 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	3.75889993	3.75889993 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	3.75889993	3.75889993 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	44898.4609	44898.4609 ± 0.0003	✓
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	✓

T					✓
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 2.30 (Repeat Count = 1)

Name	Input Value
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	28
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_ZEROAVERAGE
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	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_Igc.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

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CmMtrCurr\_Per3

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_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	28	28 ± 1	✔
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✔
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✔
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✔
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	✔
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	2.18104506	2.18104506 ± 0.0003	✔
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	21369.5801	21369.5801 ± 0.0003	✔
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1.92404044	1.92404044 ± 0.0003	✔
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.69780493	2.69780493 ± 0.0003	✔
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.7515341	1.7515341 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	24310.6895	24310.6895 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	177.184998	177.184998 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	3	3 ± 0.0003	✔
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	74187.0156	74187.0156 ± 0.001	✔
CmMtrCurr_VecuSum_Volt_M_f32	544.474976	544.474976 ± 0.0009765625	✔
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	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.10841858	1.10841858 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.16706681	2.16706681 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✔

T					✓
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 2.31 (Repeat Count = 1)		✓
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	

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CmMtrCurr\_Per3

Name	Input Value
tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	15.0659857
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	108.936737
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	0
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	54494.7188
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.34625721
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.13625836
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	29	29 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✓
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	1.1426152	1.1426152 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	2.16658521	2.16658521 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	3.87540007	3.87540007 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	24310.6895	24310.6895 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.56662393	2.56662393 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.13700366	2.13700366 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	27251.8008	27251.8008 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	10.2349997	10.2349997 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	1.95115638	1.95115638 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	10990.1563	10990.1563 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	555.60498	555.60498 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	54494.7188	54494.7188 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3	3 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.34625721	2.34625721 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3	3 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.13625836	1.13625836 ± 0.0003	✓

T					✓
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 2.32 (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	

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CmMtrCurr\_Per3

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
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_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	30	30 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	4.52099991	4.52099991 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	4.52099991	4.52099991 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	2.70221376	2.70221376 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	2.97247601	2.97247601 ± 0.0003	✓
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	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.804142	2.804142 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	1.22132409	1.22132409 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	21.3649998	21.3649998 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	1.21605432	1.21605432 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	56785	56785 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	566.734985	566.734985 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	6106.29541	6106.29541 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.64925992	1.64925992 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3	3 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.18993354	1.18993354 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.38486934	2.38486934 ± 0.0003	✓

T					✓
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 2.33 (Repeat Count = 1)		✓
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	

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CmMtrCurr\_Per3

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_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	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	✔
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	✔
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	✔
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	✔

T				
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)	
Name	Input Value
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	31
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE
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

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CmMtrCurr\_Per3

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_CmMtrCurr
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_lgc.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_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	0	0 ± 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	4.0999999	4.0999999 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	4.0999999	4.0999999 ± 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	30192.9102	30192.9102 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1.64645708	1.64645708 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	3.98569989	3.98569989 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.64458537	2.64458537 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	0	0 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	0	0 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	65784.1328	65784.1328 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	0	0 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	4000	4000 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	48316.1758	48316.1758 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.95542264	2.95542264 ± 0.0003	✓
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	✓

T					✓
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	



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CmMtrCurr\_Per3

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
CmMtrCurr_MtrCurr1SumHi_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
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_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	32	32 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	4.19999981	4.19999981 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	3.12540007	3.12540007 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	33134.0195	33134.0195 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	3.41750002	3.41750002 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.66018128	2.66018128 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	43.625	43.625 ± 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	588.994995	588.994995 ± 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	✓

T				
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	✓



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CmMtrCurr\_Per3

## Test Step 2.36 (Repeat Count = 1)

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
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	1.76121855
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
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	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	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.78107488	1.78107488 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	2.3582015	2.3582015 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	54.7550011	54.7550011 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	35505.4063	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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.86090136	2.86090136 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✓

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CmMtrCurr\_Per3

T				
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_lgc	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_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	35	35 ± 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	4.4000001	4.4000001 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	4.4000001	4.4000001 ± 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	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1.91161692	1.91161692 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	4.19999981	4.19999981 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.08536386	2.08536386 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	29.4384918	29.4384918 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	12549.25	12549.25 ± 0.0003	✓
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	611.255005	611.255005 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	617	617 ± 1	✓

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CmMtrCurr\_Per3

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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.70113182	2.70113182 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.12521768	2.12521768 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.1041311	1.1041311 ± 0.0003	✓

T				
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 2.38 (Repeat Count = 1)

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
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	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	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	1.07224905	1.07224905 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	4.5	4.5 ± 0.0003	✓
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	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.85310507	1.85310507 ± 0.0003	✓

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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	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	1546.61206	1546.61206 ± 0.004	✓
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	✓

T					✓
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 2.39 (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	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_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_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	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	✓

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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	✓
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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.373541	1.373541 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.74678731	2.74678731 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.2081331	1.2081331 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.52772772	1.52772772 ± 0.0003	✓

T					✓
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 2.40 (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	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_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	64	64 ± 1	✓		

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Name	Actual Value	Expected Value	Result
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	✓
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	3 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	47839.5703	47839.5703 ± 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	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 ± 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	✓

T					✓
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 2.41 (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	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	4.5999999	
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_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_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	

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CmMtrCurr\_Per3

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_Igc		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
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	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	25461.0313	25461.0313 ± 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	✔
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	33.7622643	33.7622643 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	24310.6895	24310.6895 ± 0.0003	✔
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	✔
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	✔

T					✓
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 2.42 (Repeat Count = 1)

Name	Input Value
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	60
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_HIAVERAGE
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	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	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_Igc.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



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CmMtrCurr\_Per3

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_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	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	✔
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	2.81754565	2.81754565 ± 0.0003	✔
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	4.5	4.5 ± 0.0003	✔
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	4.69999981	4.69999981 ± 0.0003	✔
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	3.42019391	3.42019391 ± 0.0003	✔
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	99.2750015	99.2750015 ± 0.0003	



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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

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	✓
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	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	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	33953.457	33953.457 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	976.51239	976.51239 ± 0.0009765625	✓
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	✓

T					✓
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	

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CmMtrCurr\_Per3

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_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	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	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.78107488	1.78107488 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	6526.80176	6526.80225 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	33134.0195	33134.0195 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	1.20921946	1.20921946 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	55850.0508	55850.0508 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	999.555725	999.555786 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	4000	4000 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	45636.1367	45636.1367 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.72630322	1.72630322 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3	3 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.08261728	2.08261728 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.59304428	1.59304428 ± 0.0003	✓

T				
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 2.45 (Repeat Count = 1)	
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

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CmMtrCurr\_Per3

Name	Input Value		
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	199.445007		
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	62192.375		
CmMtrCurr_VecuSum_Volt_M_f32 m	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_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	43	43 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_HIAVERAGE	CURROFF_HIAVERAGE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1	1	

# TEST DETAILS REPORT

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CmMtrCurr\_Per3

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_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	44	44 ± 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	2.31441784	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	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1.72680926	1.72680926 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.7515341	1.7515341 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	24.3649998	24.3649998 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	39016.2383	39016.2383 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	210.574997	210.574997 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	20547.9805	20547.9805 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	2014.1521	2014.1521 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	4000	4000 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	9833.26758	9833.26758 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.85367167	1.85367167 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.87929463	1.87929463 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.48623836	1.48623836 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✓

T					✓
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)					✓
Name	Input Value				
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	44				
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_HIAVERAGE				
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1				

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CmMtrCurr\_Per3

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_lgc.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_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	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 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	132.664993	132.664993 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1.89202535	1.89202535 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	1.11913788	1.11913788 ± 0.0003	✓
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	✓

T				
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	✓

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CmMtrCurr\_Per3

## Test Step 2.48 (Repeat Count = 1)

Name	Input Value
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	0
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_HIAVERAGE
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1
CmMtrCurr_CurroffProcessFlag_M_enum	0
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	4.30000019
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	3.98569989
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	3.98569989
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	2.9940877
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	2.37314701
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	166.054993
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.09574819
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.804142
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	68.8850021
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	44898.4609
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	12546.25
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	47726.5313
CmMtrCurr_VecuSum_Volt_M_f32	755.945007
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
k_CurrOffNoofAvg_Cnt_u16	4850
k_MaxCurrOffMtrVel_RadpS_f32	4.60882807
k_MtrCurrEOLMaxOffset_Volts_f32	2.43810177
k_MtrCurrEOLMinOffset_Volts_f32	1.93847024
k_MtrCurrOffLoComOff_Cnt_u16	750
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	0.40020895
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	3
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	4
tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	11.9946461
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	1.32093003e-008
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	1
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	10899.8896
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.47143555
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.48983455
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	1	1 ± 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	4.30000019	4.30000019 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	3.98569989	3.98569989 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	3.98569989	3.98569989 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	3.39429665	3.39429665 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	2.37314701	2.37314701 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	166.054993	166.054993 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.09574819	2.09574819 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.804142	2.804142 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	68.8850021	68.8850021 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	44898.4609	44898.4609 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	12546.25	12546.25 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	47726.5313	47726.5313 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	767.939636	767.939636 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	4000	4000 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	10899.8896	10899.8896 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3	3 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.47143555	2.47143555 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.48983455	2.48983455 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✓

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CmMtrCurr\_Per3

T				
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
k_MaxCurrOffMtrVel_RadpS_f32	4.46507597
k_MtrCurrEOLMaxOffset_Volts_f32	3
k_MtrCurrEOLMinOffset_Volts_f32	3
k_MtrCurrOffLoComOff_Cnt_u16	800
tgt_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_lgc.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
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.77509665
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	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	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.64458537	2.64458537 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	33136.7109	33136.7109 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	47839.5703	47839.5703 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	15487.3604	15487.3604 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	70405.5469	70405.5469 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	779.082642	779.082642 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	4000	4000 ± 1	✓



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CmMtrCurr\_Per3

Name	Actual Value	Expected Value	Result
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	72593.1016	72593.1016 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.83289099	2.83289099 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.62811708	2.62811708 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.49345279	2.49345279 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.77509665	1.77509665 ± 0.0003	✓

T				
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 2.50 (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
CmMtrCurr_MtrCurr1SumZero_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_lgc.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_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	31	31 ± 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	4.5	4.5 ± 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	15490.3604	15490.3604 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	2.78381634	2.78381634 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.63436913	2.63436913 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.66018128	2.66018128 ± 0.0003	✓



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CmMtrCurr\_Per3

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	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	53438.4727	53438.4727 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	788.029724	788.029724 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	4000	4000 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	41748.7891	41748.7891 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.73949075	1.73949075 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.81584823	1.81584823 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.0832448	2.0832448 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✓

T					✓
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 2.51 (Repeat Count = 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
tgt_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
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	6579.94385
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3
tgt_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_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	46	46 ± 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	2.17255139	2.17255139 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	2.3003974	2.3003974 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.3003974	2.3003974 ± 0.0003	✓

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CmMtrCurr\_Per3

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	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.78107488	1.78107488 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	39016.2383	39016.2383 ± 0.0003	✓
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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3	3 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.84182739	2.84182739 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3	3 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.84872556	1.84872556 ± 0.0003	✓

T					✓
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 2.52 (Repeat Count = 1)					✓
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_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	47	47 ± 1	✓		

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CmMtrCurr\_Per3

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	1	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	1.55437148	1.55437148 ± 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	1.22132409	1.22132409 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	50000.1836	50000.1836 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	2.45344734	2.45344734 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1.05157495	1.05157495 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.47292328	2.47292328 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.08536386	2.08536386 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	41957.3516	41957.3516 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	3.73001981	3.73001981 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	24310.6895	24310.6895 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	37677.1406	37677.1406 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	800.465027	800.465027 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	950	950 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	50186.2891	50186.2891 ± 0.004	✓
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	✓

T					✓
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 2.53 (Repeat Count = 1) ✓

Name	Input Value
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	47
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	2.4301908
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.4301908
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	1.35220647
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	2564.25098
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	1.18977249
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	3
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	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
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	66.5053101
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.07186615
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.33528733
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.92991114
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_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

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CmMtrCurr\_Per3

Name	Input Value	Expected Value	Result
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	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	48	48 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_LOAVERAGE	CURROFF_LOAVERAGE	✓
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	2.4301908	2.4301908 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.4301908	2.4301908 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	1.35220647	1.35220647 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	2565.43408	2565.43408 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	1.18977249	1.18977249 ± 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	1.85310507	1.85310507 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	121.535004	121.535004 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	3.6093688	3.6093688 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	27251.8008	27251.8008 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	49166.3633	49166.3633 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	811.594971	811.594971 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	1000	1000 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	66.5053101	66.5053101 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.07186615	1.07186615 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.33528733	1.33528733 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.92991114	2.92991114 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.5541091	1.5541091 ± 0.0003	✓

T					✓
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 2.54 (Repeat Count = 1)		✓
Name	Input Value	
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	48	
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_LOAVERAGE	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	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	□	

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CmMtrCurr\_Per3

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_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	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	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.43861294	2.43861294 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.31556726	1.31556726 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	132.664993	132.664993 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	1.6518712	1.6518712 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	30192.9102	30192.9102 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	51315.3594	51315.3594 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	822.724976	822.724976 ± 0.0009765625	✓
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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3	3 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.26931763	2.26931763 ± 0.0003	✓

T					✓
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 2.55 (Repeat Count = 1)		✓
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	

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CmMtrCurr\_Per3

Name	Input Value
tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	12.5219145
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	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
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	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	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	3.25399995	3.25399995 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1.69485998	1.69485998 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	1.76121855	1.76121855 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	4.20388222	4.20388222 ± 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	1.55947113	1.55947113 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.69362235	2.69362235 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	143.794998	143.794998 ± 0.0003	✓
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	✓
CmMtrCurr_VecuSum_Volt_M_f32	833.85498	833.85498 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	1100	1100 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	69826.0703	69826.0703 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.46081305	2.46081305 ± 0.0003	✓
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	✓

T					✓
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	

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CmMtrCurr\_Per3

Name	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	3		
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	0.716357231		
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	11		
tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	23.9801941		
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	1.62093006e-008		
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	1		
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	3		
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		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	51	51 ± 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	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	✔
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3	3 ± 0.0003	✔
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	1.39812922	1.39812922 ± 0.0003	✔
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.07563138	2.07563138 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	154.925003	154.925003 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	2.97035718	2.97035718 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	36075.1289	36075.1289 ± 0.0003	✔
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	13451.8496	13451.8496 ± 0.001	✔
CmMtrCurr_VecuSum_Volt_M_f32	844.984985	844.984985 ± 0.0009765625	✔
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	1150	1150 ± 1	✔
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	56485.5195	56485.5195 ± 0.004	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.20154941	1.20154941 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.93720007	2.93720007 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3	3 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.55611205	1.55611205 ± 0.0003	✔

T				
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 2.57 (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



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CmMtrCurr\_Per3

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_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	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	✔
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	✔
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.06732988	2.06732988 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	166.054993	166.054993 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	1.17778456	1.17778456 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	11.8899994	11.8900003 ± 0.0003	✔
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	✔
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	53064.2422	53064.2422 ± 0.004	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.03335667	2.03335667 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.22838211	2.22838211 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.09065461	1.09065461 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✔

T					✓
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	



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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_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	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	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	41959.5234	41959.5234 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	27235.4863	27235.4863 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	867.244995	867.244995 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	28654.791	28654.791 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3	3 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.52237737	1.52237737 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.7247448	2.7247448 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✓

T					✓
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				

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CmMtrCurr\_Per3

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_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	54	54 ± 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	2.79118037	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	✓
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	✓

T				
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	✓

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CmMtrCurr\_Per3

## Test Step 2.60 (Repeat Count = 1)

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	4.0999999
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	30.7622643
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	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	tgt_Rte_Inst_Sa_CmMtrCurr
k_CurrOffNoofAvg_Cnt_u16	248
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	1.12093002e-008
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	1
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	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	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	3 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	4.0999999	4.0999999 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	30.7622643	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	✓
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	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	28.6460514	28.6460514 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	2.16365433	2.16365433 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	22243.6348	22243.6348 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	889.505005	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	✓
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	✓

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CmMtrCurr\_Per3

T				
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)

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_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	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	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓

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CmMtrCurr\_Per3

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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.16573894	1.16573894 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.52786815	1.52786815 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✓

T				
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_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	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	✓

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CmMtrCurr\_Per3

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

T					✓
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 2.63 (Repeat Count = 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
k_MaxCurrOffMtrVel_RadpS_f32	11.6127138
k_MtrCurrEOLMaxOffset_Volts_f32	1.60846543
k_MtrCurrEOLMinOffset_Volts_f32	1
k_MtrCurrOffLoComOff_Cnt_u16	1500
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	1
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	62447.9336
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.77314484
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.8215363
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.66199911
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.22172582
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	57	57 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	✓

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CmMtrCurr\_Per3

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	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	2.6369369	2.6369369 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1.38367915	1.38367915 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.7515341	1.7515341 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	2.69245267	2.69245267 ± 0.0003	✓
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	✓
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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.77314484	1.77314484 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.8215363	2.8215363 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.66199911	1.66199911 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.22172582	1.22172582 ± 0.0003	✓

T					✓
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 2.64 (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_lgc.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_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	58	58 ± 1	✓		



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CmMtrCurr\_Per3

Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	4.30000019	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	✓
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	✓
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	✓
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	✓

T					✓
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 2.65 (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	2.20000005
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



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CmMtrCurr\_Per3

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_Igc		
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_INITIALISE	CURROFF_INITIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✓
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	1.24453545	1.24453545 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	4.4000001	4.4000001 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	4.5999999	4.5999999 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	2.86287165	2.86287165 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	2.24005342	2.24005342 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	2.97318363	2.97318363 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.54518676	2.54518676 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.804142	2.804142 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	2.5382781	2.5382781 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	23.799696	23.799696 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	1.72795427	1.72795427 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	42507.0195	42507.0195 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	945.155029	945.155029 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
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	✓

T					✓
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 2.66 (Repeat Count = 1)

Name	Input Value
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	60
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_CALC
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	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_Igc.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

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CmMtrCurr\_Per3

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_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	60	60 ± 1	✔
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✔
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✔
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✔
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	2.81754565	2.81754565 ± 0.0003	✔
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	4.5	4.5 ± 0.0003	✔
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	4.69999981	4.69999981 ± 0.0003	✔
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	2.11536908	2.11536908 ± 0.0003	✔
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	12546.25	12546.25 ± 0.0003	✔
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	1.01092339	1.01092339 ± 0.0003	✔
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3	3 ± 0.0003	✔
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	✔
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	15.8433237	15.8433237 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	3	3 ± 0.0003	✔
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	50648.5977	50648.5977 ± 0.001	✔
CmMtrCurr_VecuSum_Volt_M_f32	956.284973	956.284973 ± 0.0009765625	✔
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 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	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.49366164	2.49366164 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.44606352	1.44606352 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.89337552	1.89337552 ± 0.0003	✔

T					✓
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 2.67 (Repeat Count = 1)		✔
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	4.5999999	
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	

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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

Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	61	61 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	✓

T					✓
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 2.68 (Repeat Count = 1)		✓
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	

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CmMtrCurr\_Per3

Name	Input Value		
k_MtrCurrEOLMaxOffset_Volts_f32	2.79999995		
k_MtrCurrEOLMinOffset_Volts_f32	2.17881703		
k_MtrCurrOffLoComOff_Cnt_u16	589		
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_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	62	62 ± 1	✔
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✔
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✔
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✔
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	3 ± 0.0003	✔
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	18428.4707	18428.4707 ± 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	✔
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.78107488	1.78107488 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	2.66323638	2.66323638 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	2.86287165	2.86287165 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	1.20921946	1.20921946 ± 0.0003	✔
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	55850.0508	55850.0508 ± 0.001	✔
CmMtrCurr_VecuSum_Volt_M_f32	978.544983	978.544983 ± 0.0009765625	✔
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✔
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	45636.1367	45636.1367 ± 0.004	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.72630322	1.72630322 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3	3 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.08261728	2.08261728 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.59304428	1.59304428 ± 0.0003	✔

T				
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 2.69 (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

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CmMtrCurr\_Per3

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_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	63	63 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	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	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3.32500005	3.32500005 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	2.34348607	2.34348607 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	1.49885356	1.49885356 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	1.53830063	1.53830063 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	9725.94531	9725.94531 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	989.674988	989.674988 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	30670.2969	30670.2969 ± 0.004	✓
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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.97813463	2.97813463 ± 0.0003	✓

T					✓
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 2.70 (Repeat Count = 1)		✓
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	

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CmMtrCurr\_Per3

Name	Input Value
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	3
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3
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	459
k_MaxCurrOffMtrVel_RadpS_f32	15.1356554
k_MtrCurrEOLMaxOffset_Volts_f32	3
k_MtrCurrEOLMinOffset_Volts_f32	1.75381374
k_MtrCurrOffLoComOff_Cnt_u16	1250
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	2.33343601
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_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	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	5	5 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.3681531	2.3681531 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	12546.25	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	✓

T					✓
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)					✓
Name	Input Value				
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	100				
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_CALC				
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1				

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CmMtrCurr\_Per3

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_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	100	100 ± 1	✓
CmMtrCurr_CurroffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	15487.3604	15487.3604 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	27251.8008	27251.8008 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	10.2349997	10.2349997 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	2	2 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3.98569989	3.98569989 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	36075.1289	36075.1289 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	2.75711107	2.75711107 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	66466.9297	66466.9297 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	1011.935	1011.935 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	10412.2559	10412.2559 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.08674288	2.08674288 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3	3 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.83028007	1.83028007 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✓

T				
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	✓



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CmMtrCurr\_Per3



## Test Step 2.72 (Repeat Count = 1)

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	21.3649998		
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3		
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	1.52093005e-008		
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	1		
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_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	500	500 ± 1	✔
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✔
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	1.03766644	1.03766644 ± 0.0003	✔
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	✔



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CmMtrCurr\_Per3

T				
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 2.73 (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_lgc.value	1
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	24752.502
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.42258453
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.98788738
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.54850125
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	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_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	✓

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CmMtrCurr\_Per3

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	✓
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	✓

T				
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)

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
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_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	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	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	2.93552423	2.93552423 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	2.4932251	2.4932251 ± 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	36075.1289	36075.1289 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	12546.25	12546.25 ± 0.0003	✓
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	✓

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CmMtrCurr\_Per3

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	✓
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	✓

T					✓
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 2.75 (Repeat Count = 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
k_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_lgc.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_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	2000	2000 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✓
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	0	0 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.44151449	2.44151449 ± 0.0003	✓

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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	✓
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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3	3 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.29639792	1.29639792 ± 0.0003	✓

T					✓
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 2.76 (Repeat Count = 1)					✓
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_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	2500	2500 ± 1	✓		

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Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	1.85141718	1.85141718 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	41957.3516	41957.3516 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	18428.4707	18428.4707 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.39214373	2.39214373 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.4301908	2.4301908 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	2.00457311	2.00457311 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	143.794998	143.794998 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	6346.29541	6346.29541 ± 0.001	✓
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	✓
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	✓

T					✓
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 2.77 (Repeat Count = 1) ✓

Name	Input Value
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	3000
CmMtrCurr_CurrOffState_Uls_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_lgc.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

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CmMtrCurr\_Per3

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_Igc		
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_INITIALISE	CURROFF_INITIALISE	✔
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	0	0	✔
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✔
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	2.56800008	2.56800008 ± 0.0003	✔
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	1.69100952	1.69100952 ± 0.0003	✔
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1.07224905	1.07224905 ± 0.0003	✔
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	3	3 ± 0.0003	✔
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	44898.4609	44898.4609 ± 0.0003	✔
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	21369.5801	21369.5801 ± 0.0003	✔
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1.1591742	1.1591742 ± 0.0003	✔
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	3	3 ± 0.0003	✔
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.79951966	1.79951966 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	1.7779721	1.7779721 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	3	3 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	154.925003	154.925003 ± 0.0003	✔
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	✔

T					✓
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 2.78 (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		

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CmMtrCurr\_Per3

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_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	3500	3500 ± 1	✔
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✔
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✔
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✔
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	2.0455637	2.0455637 ± 0.0003	✔
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	✔

T					✓
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 2.79 (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	



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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
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_INITIALISE	CURROFF_INITIALISE	✓
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	2.60292649	2.60292649 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.94488144	2.94488144 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	99.2750015	99.2750015 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	43.625	43.625 ± 0.0003	✓
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	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3.98539996	3.98539996 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	21.3649998	21.3649998 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	1.25156271	1.25156271 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	177.184998	177.184998 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	54731.1328	54731.1328 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	1100.97498	1100.97498 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	53916.1016	53916.1016 ± 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	✓

T					✓
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 2.80 (Repeat Count = 1)		✓
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	2.09999999	
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	



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CmMtrCurr\_Per3

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_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	4500	4500 ± 1	✔
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✔
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	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3	3 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.05737138	1.05737138 ± 0.0003	✔

T				
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 2.81 (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

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CmMtrCurr\_Per3

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_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	5000	5000 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	

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CmMtrCurr\_Per3

Name	Input Value
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	77.0149994
CmMtrCurr_MtrCurr1SumZero_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
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_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	5500	5500 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.5	1.5 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.4000001	1.39999998 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.4000001	1.39999998 ± 0.0003	✓

T					✓
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 2.83 (Repeat Count = 1)

Name	Input Value
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	6000

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CmMtrCurr\_Per3

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		
k_MaxCurrOffMtrVel_RadpS_f32	17.4113503		
k_MtrCurrEOLMaxOffset_Volts_f32	3		
k_MtrCurrEOLMinOffset_Volts_f32	1.41879892		
k_MtrCurrOffLoComOff_Cnt_u16	1450		
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	2.24416041		
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	0.646974802		
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	17		
tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	11.6333284		
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	1.32093003e-008		
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	1		
tgt_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_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	6000	6000 ± 1	✔
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✔
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	✔
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✔
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	32658.5	32658.5 ± 0.004	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.5	1.5 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.5	1.5 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.4000001	1.39999998 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.4000001	1.39999998 ± 0.0003	✔

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CmMtrCurr\_Per3

T				
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_INITIALISE
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_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	6500	6500 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	✓

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CmMtrCurr\_Per3

Name	Actual Value	Expected Value	Result
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	0	0 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.46345818	1.46345818 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.08953357	1.08953357 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3	3 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✓

T				
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 2.85 (Repeat Count = 1)

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	4.09999999
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_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	7000	7000 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	✓

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CmMtrCurr\_Per3

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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.43602788	1.43602788 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.57714796	2.57714796 ± 0.0003	✓

T					✓
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 2.86 (Repeat Count = 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_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	6598	6598 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	✓

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CmMtrCurr\_Per3

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	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	121.535004	121.535004 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	47839.5703	47839.5703 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1.70141518	1.70141518 ± 0.0003	✓
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	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	27251.8008	27251.8008 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	255.095001	255.095001 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	51807.4609	51807.4609 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	1178.88501	1178.88501 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
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	✓

T					✓
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		✓



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CmMtrCurr\_Per3

## Test Step 2.87 (Repeat Count = 1)

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
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	110.404999
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_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	156	156 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	1.35347366	1.35347366 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	4.30000019	4.30000019 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	41957.3516	41957.3516 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	30192.9102	30192.9102 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	266.225006	266.225006 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	44949.707	44949.707 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	1190.01501	1190.01501 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	14402.5557	14402.5557 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1	1 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.94053435	1.94053435 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3	3 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.38115203	1.38115203 ± 0.0003	✓

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CmMtrCurr\_Per3

T				
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 2.88 (Repeat Count = 1)

Name	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	4.4000001
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
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
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	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_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	324	324 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	✓

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CmMtrCurr\_Per3

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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.72539854	2.72539854 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.00565732	1.00565732 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✓

T				
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 2.89 (Repeat Count = 1)

Name	Input Value
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	852
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE
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
k_MtrCurrEOLMaxOffset_Volts_f32	3
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_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	852	852 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	✓

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CmMtrCurr\_Per3

Name	Actual Value	Expected Value	Result
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	132.664993	132.664993 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	36075.1289	36075.1289 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	288.484985	288.484985 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	29199.0156	29199.0156 ± 0.001	✓
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	✓
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	✓

T					✓
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_lgc	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
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	44898.4609
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	39016.2383
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	299.61499
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_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	789	789 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	✓

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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	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	4.5999999	4.5999999 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	44898.4609	44898.4609 ± 0.0003	✓
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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3	3 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1	1 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.99420547	1.99420547 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✓

T					✓
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 2.91 (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_lgc.value	1				
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	62277.6992				
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.35439801				
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3				
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.68871355				
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.77594244				
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	321	321 ± 1	✓		

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Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	1.59559977	1.59559977 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.69362235	2.69362235 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	1.83543706	1.83543706 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	12546.25	12546.25 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	154.925003	154.925003 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.64458537	2.64458537 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	4.69999981	4.69999981 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	47839.5703	47839.5703 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	41957.3516	41957.3516 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	310.744995	310.744995 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	6291.93994	6291.93994 ± 0.001	✓
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	✓

T					✓
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 2.92 (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	2.09999999
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

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CmMtrCurr\_Per3

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_Igc		
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_INITIALISE	CURROFF_INITIALISE	✔
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	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	✔
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.66018128	2.66018128 ± 0.0003	✔
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.79071116	2.79071116 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	166.054993	166.054993 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	44898.4609	44898.4609 ± 0.0003	✔
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	2.09999999	2.09999999 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.74733996	2.74733996 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.06780672	2.06780672 ± 0.0003	✔

T					✓
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 2.93 (Repeat Count = 1)

Name	Input Value
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	987
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_CALC
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	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_Igc.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



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CmMtrCurr\_Per3

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_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	987	987 ± 1	✔
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✔
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	✔
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	18428.4707	18428.4707 ± 0.0003	✔
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	177.184998	177.184998 ± 0.0003	✔
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	2.14946866	2.14946866 ± 0.0003	✔
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	1.78107488	1.78107488 ± 0.0003	✔
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3	3 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	177.184998	177.184998 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	47839.5703	47839.5703 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	2.70221376	2.70221376 ± 0.0003	✔
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	29760.0313	29760.0313 ± 0.001	✔
CmMtrCurr_VecuSum_Volt_M_f32	1256.79504	1256.79504 ± 0.0009765625	✔
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✔
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	19855.9141	19855.9141 ± 0.004	✔
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	✔

T					✓
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)		✓
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	

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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_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	123	123 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	4.98750019	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	✓
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	✓
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	✓

T					✓
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)		✓
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	

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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_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	654	654 ± 1	✔
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✔
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	4.65799999	4.65799999 ± 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	24310.6895	24310.6895 ± 0.0003	✔
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	1.25644183	1.25644183 ± 0.0003	✔
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	✔
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	199.445007	199.445007 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	166.054993	166.054993 ± 0.0003	✔
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	1.7490567	1.7490567 ± 0.0003	✔
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	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.8537457	2.8537457 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.0999999	2.0999999 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.95220804	1.95220804 ± 0.0003	✔

T					✓
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 2.96 (Repeat Count = 1)		✓
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	

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CmMtrCurr\_Per3

Name	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
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	1.61933661
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	0
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	2294.66455
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	1
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	789	789 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	✓
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	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	42221.3203	42221.3203 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	1290.18506	1290.18506 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
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	✓

T					✓
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)		✓
Name	Input Value	
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	258	
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	
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	

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## TEST DETAILS REPORT

CmMtrCurr\_Per3

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CmMtrCurr\_Per3

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_f32	3
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.48694754
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.09999999
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	963	963 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	2.09999999	2.09999999 ± 0.0003	✓

T				
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	✓

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CmMtrCurr\_Per3

## Test Step 2.99 (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	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	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_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	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	✓
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	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	✓
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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.373541	1.373541 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.74678731	2.74678731 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.2081331	1.2081331 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.52772772	1.52772772 ± 0.0003	✓



# TEST DETAILS REPORT

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CmMtrCurr\_Per3

T				
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 2.100 (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
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
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	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	✓
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	✓

# TEST DETAILS REPORT

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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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.91193855	1.91193855 ± 0.0003	✓

T				
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 2.101 (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	900
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_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	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	✓

# TEST DETAILS REPORT

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CmMtrCurr\_Per3

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	✓
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	✓
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	✓

T					✓
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 2.102 (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	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_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	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	✓

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CmMtrCurr\_Per3

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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.2081331	1.2081331 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.52772772	1.52772772 ± 0.0003	✓

T					✓
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 2.103 (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	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				
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	0	0 ± 1	✓		

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CmMtrCurr\_Per3

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	1	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	5	5 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	4.69999981	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	0.143763632	0.143763632 ± 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			

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CmMtrCurr\_Per3

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_Igc			
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_Igc	1	1	✓	
CmMtrCurr_CurroffProcessFlag_M_enum	1	1	✓	
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	4.03110123	4.03110075 ± 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	0.527535379	0.527535379 ± 0.0003	✓	
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	4.5999999	4.5999999 ± 0.0003	✓	
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.07563138	2.07563138 ± 0.0003	✓	
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	33.7622643	33.7622643 ± 0.0003	✓	
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	110.404999	110.404999 ± 0.0003	✓	
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	154.925003	154.925003 ± 0.0003	✓	
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	✓	
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	✓	
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3	3 ± 0.0003	✓	
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✓	

T					✓
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  
TC3.8 1193 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 1227 Cycles

## Description

VECTOR DESCRIPTION:

```
TC3.1 if( CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc == TRUE )=>False
TC3.2 "if CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc == TRUE )=>True
( (Abs_f32_m(MtrVel_MtrRadpS_T_f32) < k_MaxCurrOffMtrVel_RadpS_f32) &&
  (VehSpd_Kph_T_f32 < FLT_EPSILON) &&
  (VhSpdValid_Cnt_T_Igc == 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_Igc == 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_MtrCurrEOLMaxOffset_Volts_f32) &&
  (CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 >= k_MtrCurrEOLMinOffset_Volts_f32) &&
  (CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32) &&
  (CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMinOffset_Volts_f32) &&
  (CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32) &&
  (CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMinOffset_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_MtrCurr1OffsetLo_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32) &&
  (CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 >= k_MtrCurrEOLMinOffset_Volts_f32) &&
  (CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32) &&
  (CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMinOffset_Volts_f32) &&
  (CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32) &&
  (CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMinOffset_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 < FLT_EPSILON)=False &&
  (VhSpdValid_Cnt_T_Igc == 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_MtrCurrEOLMinOffset_Volts_f32)=True &&
  (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_MtrCurrEOLMaxOffset_Volts_f32)=True&&
  (CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMinOffset_Volts_f32)=True&&
  (CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32)=False )"
TC3.13 "( (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_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_MtrCurrEOLMaxOffset_Volts_f32)=True&&
  (CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMinOffset_Volts_f32)=True&&
  (CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32) )"
TC3.14 "( (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_MtrCurrEOLMinOffset_Volts_f32)=False&&
  (CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32) &&
  (CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMinOffset_Volts_f32) &&
  (CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32) &&
  (CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMinOffset_Volts_f32) &&
  (CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 <= 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_INITIALISE
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	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



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CmMtrCurr\_Per3

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

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CmMtrCurr\_Per3

Name	Input Value		
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1		
CmMtrCurr_CurroffProcessFlag_M_enum	3		
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	3		
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	3		
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	80000		
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	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		
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_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	2 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	3	3 ± 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	3	3 ± 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	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	3	3 ± 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	80000	80000 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	255.095001	255.095001 ± 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	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	✓

T					✓
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	✓	

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CmMtrCurr\_Per3

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			
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	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	2.81365776			
k_MtrCurrEOLMinOffset_Volts_f32	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_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	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		✓
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	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		✓
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		✓

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CmMtrCurr\_Per3

T				
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 3.4 (Repeat Count = 1)

Name	Input Value
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	4
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	277.355011
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
k_CurrOffNoofAvg_Cnt_u16	32
k_MaxCurrOffMtrVel_RadpS_f32	15
k_MtrCurrEOLMaxOffset_Volts_f32	1.39142871
k_MtrCurrEOLMinOffset_Volts_f32	2.28647137
k_MtrCurrOffLoComOff_Cnt_u16	700
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_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	5	5 ± 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	2.46805692	2.46805692 ± 0.0003	✓
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	✓

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CmMtrCurr\_Per3

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	✓
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	✓

T				
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 3.5 (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_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	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	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	1.65512764	1.65512764 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2	2 ± 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	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	✓

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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	✓

T					✓
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_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	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
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_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	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	✓

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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	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	4.76790476	4.76790476 ± 0.0003	✓
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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.19832134	1.19832134 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.70113182	2.70113182 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.12521768	2.12521768 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.1041311	1.1041311 ± 0.0003	✓

T					✓
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				
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1				
CmMtrCurr_CurroffProcessFlag_M_enum	0				
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	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_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				
Name	Actual Value	Expected Value	Result		
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	7	7 ± 1	✓		



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Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	1.16706789	1.16706789 ± 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	1.5	1.5 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	1.16022956	1.16022956 ± 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	33953.457	33953.457 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	310.744995	310.744995 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
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	✓

T					✓
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 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	

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CmMtrCurr\_Per3

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_Igc	tgt_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	8	8 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_Igc	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	✓
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	✓

T					✓
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 3.9 (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	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	

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Name	Input Value
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
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	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	✓
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	0.065242514	0.065242514 ± 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	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	17117.4668	17117.4668 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	359.186188	359.186188 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	950	950 ± 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	✓

T					✓
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 3.10 (Repeat Count = 1)

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

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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_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	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	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	35326.4414	35326.4414 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.19832134	1.19832134 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.70113182	2.70113182 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.12521768	2.12521768 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.1041311	1.1041311 ± 0.0003	✓

T				
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 3.11 (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

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Name	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	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_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	✓
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	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	6	6	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3	3	✓
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	✓
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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.93776929	1.93776929 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.30192566	2.30192566 ± 0.0003	✓

T					✓
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 3.12 (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	

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CmMtrCurr\_Per3

Name	Input Value		
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	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		
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	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		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	1	1 ± 1	✔
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✔
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	✔
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	1.16706789	1.16706789	✔
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	1.78895056	1.78895056	✔
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3	3	✔
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	1.5	1.5	✔
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3	3	✔
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	1.16022956	1.16022956	✔
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	3	3	✔
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	3	3	✔
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	33953.457	33953.457	✔
CmMtrCurr_VecuSum_Volt_M_f32	366.394989	366.394989	✔
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	✔

T					✔
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)		✓
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	

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CmMtrCurr\_Per3

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	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

Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	2	2 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
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	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	1.16706789	1.16706789	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	1.78895056	1.78895056	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1	1	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	1.5	1.5	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3	3	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	1.16022956	1.16022956	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	3	3	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	3	3	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	33953.457	33953.457	✓
CmMtrCurr_VecuSum_Volt_M_f32	377.524994	377.524994	✓
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	✓

T					✓
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 3.14 (Repeat Count = 1)		✓
Name	Input Value	
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	3	
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_CALC	



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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	1
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	62447.9336
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.77314484
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.8215363
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.66199911
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.22172582
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	3	3 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INITIALISE	CURROFF_INITIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	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	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2	2	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	2.69245267	2.69245267	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	1.64579737	1.64579737	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	2.93037891	2.93037891	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	20898.541	20898.541	✓
CmMtrCurr_VecuSum_Volt_M_f32	388.654999	388.654999	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	62447.9336	62447.9336 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.77314484	1.77314484 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.8215363	2.8215363 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.66199911	1.66199911 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.22172582	1.22172582 ± 0.0003	✓

T				
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 DETAILS REPORT

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CmMtrCurr\_Per3



Test Step 3.15 (Repeat Count = 1)				✓
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	3			
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1			
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	1.48992085			
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			
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_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	0	0 ± 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		✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	3	3		✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1	1		✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	0	0		✓
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	1	1		✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	0	0		✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	0	0		✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	3	3		✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	65784.1328	65784.1328		✓
CmMtrCurr_VecuSum_Volt_M_f32	0	0		✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	4000	4000 ± 1		✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	48316.1758	48316.1758 ± 0.004		✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.95542264	2.95542264 ± 0.0003		✓
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		✓

# TEST DETAILS REPORT

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CmMtrCurr\_Per3

T					✓
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 DETAILS REPORT

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CmMtrCurr\_Per2



Project	CmMtrCurr1
Module	CmMtrCurr_MTRCURRPHASEAB_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\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	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

## Comments/Description/Specification

Name	Text
------	------

# TEST DETAILS REPORT

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CmMtrCurr\_Per2

Module  
'CmMtrCurr\_MTRCURRPHASEAB\_ON

\*\*\*\*\*Unit Test Information\*\*\*\*\*

Name of Tester:Chandrananth 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 2.7/d/ 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  
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 developer 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 DETAILS REPORT

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CmMtrCurr\_Per2

## Test Case 1: Metrics Test

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

CPU Cycles:

TS1.1 2382.00cycles  
TS1.2 2244.00cycles

**Description** VECTOR DESCRIPTION:

TS1.1 Shortest Execution Path==> ( Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_f32 ) = True  
TS1.2 Longest Execution Path==> ( Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_f32 ) = False

## Test Step 1.1 (Repeat Count = 1)

Name	Input Value
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	53.1758
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.0476
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1610612736
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	2684354560
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
k_CurrCorrErrThresh_Amps_f32	1.511616647
k_CurrOffGainKn_Cnt_u16	23944
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	0.536371946
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	1.693474054
tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.81864655
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	1
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	-62.97460991
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	167.4598406
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	42.1503754	42.15037364 ± 0.001	✓
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	2.09985352	2.099853516 ± 32	✓
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	3.79187012	3.791870117 ± 32	✓
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1127350984	1127350984 ± 1	✓
CmMtrCurr_MtrCurr2LpFiltrSV_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	✓

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)

Name	Input Value
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-132.9395
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.595
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	536870912
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	1610612736
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
k_CurrCorrErrThresh_Amps_f32	43.4733122
k_CurrOffGainKn_Cnt_u16	26553
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	0.92788434
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	1.004965544
tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.999984741
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	1
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	120.2740527
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-150.9617172
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

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CmMtrCurr\_Per2

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	17.73117511 ± 0.001	✓
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	0.970703125	0.970703125 ± 32	✓
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	2.19152832	2.19152832 ± 32	✓
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	521178089	521178089 ± 1	✓
CmMtrCurr_MtrCurr2LpFiltrSV_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	✓

T				
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 Case 2: Range Test

## Specification

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

CPU Cycles:

TC2.1 2018Cycles  
TC2.2 2197Cycles  
TC2.3 2102Cycles  
TC2.4 2262Cycles  
TC2.5 2221Cycles  
TC2.6 2179Cycles  
TC2.7 2190Cycles  
TC2.8 2139Cycles  
TC2.9 2090Cycles  
TC2.10 2169Cycles  
TC2.11 2125Cycles  
TC2.12 2182Cycles  
TC2.13 2108Cycles  
TC2.14 2076Cycles  
TC2.15 2162Cycles  
TC2.16 2170Cycles  
TC2.17 2201Cycles  
TC2.18 2238Cycles  
TC2.19 2190Cycles  
TC2.20 2175Cycles  
TC2.21 2102Cycles  
TC2.22 2114Cycles  
TC2.23 2102Cycles  
TC2.24 2190Cycles  
TC2.25 2114Cycles  
TC2.26 2188Cycles  
TC2.27 2148Cycles  
TC2.28 2106Cycles  
TC2.29 2146Cycles  
TC2.30 2216Cycles  
TC2.31 2130Cycles  
TC2.32 2147Cycles  
TC2.33 2156Cycles  
TC2.34 2106Cycles  
TC2.35 2088Cycles  
TC2.36 2088Cycles  
TC2.37 2151Cycles  
TC2.38 2147Cycles  
TC2.39 2100Cycles  
TC2.40 2168Cycles  
TC2.41 2114Cycles  
TC2.42 2144Cycles  
TC2.43 2220Cycles  
TC2.44 2188Cycles

## Description

VECTOR DECRPTION:

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  
TS2.18 MtrCurrK2\_Amp\_f32==>Neg  
TS2.19 ADCMtrCurr1\_Volts\_f32==>Min  
TS2.20 ADCMtrCurr1\_Volts\_f32==>Max  
TS2.21 ADCMtrCurr1\_Volts\_f32==>Pos  
TS2.22 ADCMtrCurr2\_Volts\_f32==>Min  
TS2.23 ADCMtrCurr2\_Volts\_f32==>Max  
TS2.24 ADCMtrCurr2\_Volts\_f32==>Pos  
TS2.25 MtrCurr1LpFiltrSV\_Volts\_M\_u3p29==>Min  
TS2.26 MtrCurr1LpFiltrSV\_Volts\_M\_u3p29==>Max  
TS2.27 MtrCurr1LpFiltrSV\_Volts\_M\_u3p29==>Pos  
TS2.28 k\_CurrOffGainKn\_Cnt\_u16==>Min  
TS2.29 k\_CurrOffGainKn\_Cnt\_u16==>Max  
TS2.30 k\_CurrOffGainKn\_Cnt\_u16==>Pos/Default  
TS2.31 MtrCurr2LpFiltrSV\_Volts\_M\_u3p29==>Min  
TS2.32 MtrCurr2LpFiltrSV\_Volts\_M\_u3p29==>Max  
TS2.33 MtrCurr2LpFiltrSV\_Volts\_M\_u3p29==>Pos  
TS2.34 k\_CurrCorrErrThresh\_Amps\_f32==>Min/Default  
TS2.35 k\_CurrCorrErrThresh\_Amps\_f32==>Max  
TS2.36 k\_CurrCorrErrThresh\_Amps\_f32==>Pos  
TS2.37 CurrCorrDiagKSV\_M\_str.SV==>Min  
TS2.38 CurrCorrDiagKSV\_M\_str.SV==>Max  
TS2.39 CurrCorrDiagKSV\_M\_str.SV==>Zero  
TS2.40 CurrCorrDiagKSV\_M\_str.SV==>Pos  
TS2.41 CurrCorrDiagKSV\_M\_str.SV==>Neg  
TS2.42 CurrCorrDiagKSV\_M\_str.K==>Min  
TS2.43 CurrCorrDiagKSV\_M\_str.K==>Max  
TS2.44 CurrCorrDiagKSV\_M\_str.K==>Pos

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CmMtrCurr\_Per2

## 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_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	-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	✔

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 2.2 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	220		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.99998474		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	2684354560		
CmMtrCurr_MtrCurr2LpFiltrSV_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_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	219.978882	219.9789071 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	3	3 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	3	3 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1610629120	1610629120 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_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	✔

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CmMtrCurr\_Per2

T				
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	26.5879			
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.0238			
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1073741824			
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	0			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
k_CurrCorrErrThresh_Amps_f32	12.0154599			
k_CurrOffGainKn_Cnt_u16	24884			
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	2.106340408			
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	1.742612362			
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	-113.8519806			
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	23.0550194	23.0550195 ± 0.001	✓	
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	2.0402832	2.040283203 ± 32	✓	
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	0.661621094	0.661621094 ± 32	✓	
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1095415788	1095415788 ± 1	✓	
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	355219100	355219100 ± 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	✓	

T				
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 2.4 (Repeat Count = 1)				
Name	Input Value			
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	53.1758			
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.0476			
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1610612736			
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	2684354560			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
k_CurrCorrErrThresh_Amps_f32	1.511616647			
k_CurrOffGainKn_Cnt_u16	23944			
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	0.536371946			
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	1.693474054			
tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.81864655			
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	1			
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	-62.97460991			
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	167.4598406			
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	42.1503754	42.15037364 ± 0.001	✓	

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CmMtrCurr\_Per2

Name	Actual Value	Expected Value	Result
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	2.09985352	2.099853516 ± 32	
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	3.79187012	3.791870117 ± 32	✓
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1127350984	1127350984 ± 1	✓
CmMtrCurr_MtrCurr2LpFiltrSV_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	✓

T				
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)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	79.7637		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.0714		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	0		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	2684354560		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	13.73316836		
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	24.00625646		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-162.8279788		
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	82.4870529	82.48705355 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	1.37365723	1.373657227 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	4.08410645	4.084106445 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	737501184	737501184 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_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	✔

T				
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)

Name	Input Value
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	106.3516
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.0952
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	0
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	2147483648
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
k_CurrCorrErrThresh_Amps_f32	3.211940289
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	57.82442534
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	85.99501753

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CmMtrCurr\_Per2

Name	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		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	86.38237	86.38237202 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	0.762939453	0.762939453 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	1.03918457	1.03918457 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	409608000	409608000 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	557948603	557948603 ± 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	✔

T					✓
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 2.7 (Repeat Count = 1) ✓

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	132.9395		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.119		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	2684354560		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	2684354560		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	34.84548604		
k_CurrOffGainKn_Cnt_u16	8222		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	1.867313385		
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	-193.1094663		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-176.9777011		
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	147.949432	147.9494308 ± 0.001	✓
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	4.60693359	4.606933594 ± 32	✓
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	4.39111328	4.391113281 ± 32	✓
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	2473353374	2473353374 ± 1	✓
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	2357464284	2357464284 ± 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	✓

T					✓
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 2.8 (Repeat Count = 1) ✓

Name	Input Value
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	159.5274
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.1428
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	2147483648
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	2684354560
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr

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CmMtrCurr\_Per2

Name	Input Value		
k_CurrCorrErrThresh_Amps_f32	21.30166304		
k_CurrOffGainKn_Cnt_u16	60584		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	3		
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	1.530497074		
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	77.21161556		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-124.0132762		
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	122.040199	122.0402008 ± 0.001	✓
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	3.07556152	3.075561523 ± 32	✓
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	1.79248047	1.792480469 ± 32	✓
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1651179520	1651179520 ± 1	✓
CmMtrCurr_MtrCurr2LpFiltrSV_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)	1	1	✓

T				
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 2.9 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	186.1153		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.1666		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	0		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	536870912		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	12.33550304		
k_CurrOffGainKn_Cnt_u16	13034		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	2.896031141		
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	-46.04922837		
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	189.723221	189.7232311 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	0.575927734	0.575927734 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	0.909545898	0.909545898 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	309218616	309218616 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	488319262	488319262 ± 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	✔

T				
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	✓

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CmMtrCurr\_Per2

## Test Step 2.10 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	212.7032		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.1904		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1073741824		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	1610612736		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	23.81961465		
k_CurrOffGainKn_Cnt_u16	16051		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	1.587954044		
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	142.8579195		
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	214.363541	214.3635418 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	1.89904785	1.899047852 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	2.92077637	2.920776367 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1019553648	1019553648 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	1568093637	1568093637 ± 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	✔

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 2.11 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	176.5034179		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.2142		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1073741824		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	0		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	39.56729203		
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	109.1507714		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-101.7537218		
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	157.174316	157.1743263 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	0.932739258	0.932739258 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	1.04675293	1.04675293 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	500774036	500774036 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	562008140	562008140 ± 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	✔



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CmMtrCurr\_Per2



T				
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)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-124.0132762		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.238		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	2684354560		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	2684354560		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	42.53672326		
k_CurrOffGainKn_Cnt_u16	1022		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	2.410634041		
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	79.18929517		
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	-75.7079468	-75.7079453 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	4.95959473	4.959594727 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	4.96875	4.96875 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	2662674874	2662674874 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_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	✔
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

T				
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 2.13 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	213.1246358		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.2618		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	536870912		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	0		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	45.55353945		
k_CurrOffGainKn_Cnt_u16	21466		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	2.204545736		
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	0.089867711		
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	-193.1094663		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-45.27653545		
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	126.550911	126.5509171 ± 0.001	<div><div></div><div></div></div>

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CmMtrCurr\_Per2

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_MtrCurr1LpFiltrSV_Volt_M_u3p29	748675934	748675934 ± 1	✓
CmMtrCurr_MtrCurr2LpFiltrSV_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	✓

T				
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 2.14 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	205.8849111		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.2856		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	2147483648		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	1073741824		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	23.04026127		
k_CurrOffGainKn_Cnt_u16	46642		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	1.846980572		
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	-1.492609859		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-220		
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	160.435898	160.4359219 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	2.46765137	2.467651367 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	1.22045898	1.220458984 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1324812052	1324812052 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	655269800	655269800 ± 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	✔

T				
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 2.15 (Repeat Count = 1)

Name	Input Value
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	164.2695515
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.3094
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1610612736
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	1073741824
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
k_CurrCorrErrThresh_Amps_f32	13.0310846
k_CurrOffGainKn_Cnt_u16	18790
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	2.5971663
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	2.024612188
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	209.1507714
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	220

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CmMtrCurr\_Per2

Name	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		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	191.095016	191.0950157 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	2.88439941	2.884399414 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	2.00695801	2.006958008 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1548586946	1548586946 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_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	✔

T					✓
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 2.16 (Repeat Count = 1) ✓

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	10.55673134		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.3332		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	536870912		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	0		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	17.5181483		
k_CurrOffGainKn_Cnt_u16	20757		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	3		
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	2.478578091		
tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.591161489		
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	1		
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	119.2920997		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	99.15077144		
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	-44.2701263	-44.27012635 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	1.63342285	1.633422852 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	0.784912109	0.784912109 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	876953600	876953600 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_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	✔

T					✓
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 2.17 (Repeat Count = 1) ✓

Name	Input Value
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	67.05938846
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.357
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	0
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	0
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr

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CmMtrCurr\_Per2

Name	Input Value		
k_CurrCorrErrThresh_Amps_f32	39.24085611		
k_CurrOffGainKn_Cnt_u16	9765		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	0.260634184		
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	2.426983118		
tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.999984741		
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	1		
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	-52.15880162		
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_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	24.49849469 ± 0.001	✓
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	0.0388183594	0.038818359 ± 32	✓
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	0.361572266	0.361572266 ± 32	✓
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	20848275	20848275 ± 1	✓
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	194137965	194137965 ± 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	✓

T				
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 2.18 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-18.60367322		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.3808		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	2684354560		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	1073741824		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	43.83353591		
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	-6.287848115		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-193.1094663		
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	40.3145828	40.31459954 ± 0.001	✓
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	3.58898926	3.588989258 ± 32	✓
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	1.48376465	1.483764648 ± 32	✓
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1926872128	1926872128 ± 1	✓
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	796603270	796603270 ± 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	✓

T				
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	✓

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CmMtrCurr\_Per2

## Test Step 2.19 (Repeat Count = 1)

Name	Input Value
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-150.9617172
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.4046
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	8.835586846
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	21.23204285
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	176.5034179
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	-161.204041	-161.2040427 ± 0.001	✓
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	1.0456543	1.045654297 ± 32	✓
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	1.43139648	1.431396484 ± 32	✓
CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29	561414144	561414144 ± 1	✓
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	768491520	768491520 ± 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	✓

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 2.20 (Repeat Count = 1)

Name	Input Value
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	63.59160173
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.4284
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	21.30166304
k_CurrOffGainKn_Cnt_u16	60584
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	3
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	1.530497074
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	77.21161556
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-124.0132762
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	-7.77110672	-7.771099965 ± 0.001	✓
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	3.07556152	3.075561523 ± 32	✓
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	1.79248047	1.792480469 ± 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	✓

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CmMtrCurr\_Per2



T				
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	50.18158394		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.4522		
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	16.04924744		
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	0.99984741		
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	1		
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	-203.1573394		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	213.1246358		
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	-64.3875122	-64.3875166 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	0.0975341797	0.09753418 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	4.85900879	4.859008789 ± 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	✔
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

T				
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)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	156.5993204		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.476		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	0		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	1610612736		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	8.681555271		
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	65.67773592		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	205.8849111		
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	101.157906	101.1578898 ± 0.001	<div><div></div><div></div></div>

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CmMtrCurr\_Per2

Name	Actual Value	Expected Value	Result
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	2.28991699	2.289916992 ± 32	
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	0.710083008	0.710083008 ± 32	✓
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1229389824	1229389824 ± 1	✓
CmMtrCurr_MtrCurr2LpFiltrSV_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	✓

T				
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)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-26.5879		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.4998		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	2684354560		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	0		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	33.22194868		
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	176.6753786		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	164.2695515		
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	74.9952164	74.99521483 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	4.69763184	4.697631836 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	0.221313477	0.221313477 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	2522068373	2522068373 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_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	✔

T				
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)

Name	Input Value
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-53.1758
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.5236
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	536870912
CmMtrCurr_MtrCurr2LpFiltrSV_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	1.386268616
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	-69.88865542
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	10.55673134



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CmMtrCurr\_Per2

Name	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		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-45.9264488	-45.92645457 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	1.24316406	1.243164063 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	2.05529785	2.055297852 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	667458684	667458684 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_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	✔

T					✓
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 2.25 (Repeat Count = 1) ✓

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-79.7637		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.5474		
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	38.52406257		
k_CurrOffGainKn_Cnt_u16	45017		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	3		
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	1.629522562		
tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.812763333		
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	1		
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	-168.2957354		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	67.05938846		
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	-105.387314	-105.3873373 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	2.06066895	2.060668945 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	2.37158203	2.371582031 ± 32	✔
CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29	1106337792	1106337792 ± 1	✔
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1273298525	1273298525 ± 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	✔

T					✓
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 2.26 (Repeat Count = 1) ✓

Name	Input Value
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-106.3516
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.5712
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	2684354560
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	1073741824
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr

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CmMtrCurr\_Per2

Name	Input Value		
k_CurrCorrErrThresh_Amps_f32	26.38577199		
k_CurrOffGainKn_Cnt_u16	50983		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	1.922613621		
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	3		
tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.999984741		
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	0.229246616		
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	-32.33944905		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-18.60367322		
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	-58.54331045 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	2.60595703	2.605957031 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	2.77783203	2.777832031 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1399073130	1399073130 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_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	✔

T				
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)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-132.9395		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.595		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	536870912		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	1610612736		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	43.4733122		
k_CurrOffGainKn_Cnt_u16	26553		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	0.92788434		
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	1.004965544		
tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.999984741		
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	1		
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	120.2740527		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-150.9617172		
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	17.7312012	17.73117511 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	0.970703125	0.970703125 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	2.19152832	2.19152832 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	521178089	521178089 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_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	✔

T				
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	✓

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CmMtrCurr\_Per2

## Test Step 2.28 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-159.5274		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.6188		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	536870912		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	0		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	47.0051862		
k_CurrOffGainKn_Cnt_u16	0		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	3		
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	2.216228962		
tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.999984741		
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	1		
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	-62.07603502		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	63.59160173		
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	-99.2282715	-99.22826786 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	1	1 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	0	0 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	536870912	536870912 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_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	✔

T	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 2.29 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-186.1153		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.6426		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	2147483648		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	2147483648		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	34.58858031		
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	-38.30952436		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	50.18158394		
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	-56.8425293	-56.84255223 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	0.274169922	0.274169922 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	0.177856445	0.177856445 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	147224378	147224378 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_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	✔

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CmMtrCurr\_Per2

T				
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)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-212.7032		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.6664		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	2684354560		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	536870912		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	48.61384964		
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	109.679701		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	156.5993204		
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	6.6769104	6.676899866 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	4.90026855	4.026367188 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	1.04455566	1.435791016 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	2630848284	2630848284 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_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	✔

T				
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 2.31 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-58.02943832		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.6902		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	536870912		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	0		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	9.274186671		
k_CurrOffGainKn_Cnt_u16	21237		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	1.587954044		
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	1.879794836		
tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.999984741		
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	0.959956527		
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	-27.46674699		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-58.02943832		
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	-26.3629303	-26.36291932 ± 0.001	<div><div></div><div></div></div>

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CmMtrCurr\_Per2

Name	Actual Value	Expected Value	Result
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	1.19042969	1.190429688 ± 32	
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	0.609130859	0.609130859 ± 32	✓
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	639148304	639148304 ± 1	✓
CmMtrCurr_MtrCurr2LpFiltrSV_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	✓

T				
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)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-196.5790142		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.714		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1073741824		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	2684354560		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	13.89724052		
k_CurrOffGainKn_Cnt_u16	4522		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	0.92795682		
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	2.182561398		
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	97.4464128		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-196.5790142		
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	-210.370193	-210.3702046 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	1.92590332	1.92590332 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	4.80554199	4.805541992 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1034025098	1034025098 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_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	✔

T				
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 2.33 (Repeat Count = 1)

Name	Input Value
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	3.064769566
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.7378
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	2684354560
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	2147483648
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
k_CurrCorrErrThresh_Amps_f32	43.77838415
k_CurrOffGainKn_Cnt_u16	19622
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	2.410634041
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	1.506439447
tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.999984741
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	1
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	3.472985685
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	3.064769566

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CmMtrCurr\_Per2

Name	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		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	3.36573434	3.365734618 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	4.22460938	4.224609375 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	3.2532959	3.253295898 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	2268113074	2268113074 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_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	✔

T					✓
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 2.34 (Repeat Count = 1) ✓

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	15.16013694		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.833		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1610612736		
CmMtrCurr_MtrCurr2LpFiltrSV_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	1.742982864		
tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.999984741		
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	1		
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	-79.3352443		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	15.16013694		
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	-63.5557289	-63.55572606 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	1.98669434	1.986694336 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	2.4576416	2.457641602 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1066613126	1066613126 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_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	✔
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

T					✓
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 2.35 (Repeat Count = 1) ✓

Name	Input Value
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-207.0334211
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.8568
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1073741824
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	536870912
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr

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CmMtrCurr\_Per2

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	130.7702275		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-207.0334211		
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	82.4137878	82.41375119 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	1.23095703	1.230957031 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	2.53222656	2.532226563 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	660915204	660915204 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_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	✔

T					✓
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 2.36 (Repeat Count = 1) ✓

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	96.14753377		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.8806		
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	26.38577199		
k_CurrOffGainKn_Cnt_u16	46738		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	2.431820869		
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	2.293198109		
tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.999984741		
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	1		
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	-143.0909266		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	96.14753377		
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	-114.533981	-114.5339713 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	2.59472656	2.594726563 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	2.20898438	2.208984375 ± 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	✔

T					✓
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	✓	



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CmMtrCurr\_Per2

## 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	0.9044		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	2147483648		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	1610612736		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	8.835586846		
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	0.1157		
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	209.1507714		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	67.05938846		
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	-96.2152176	-96.2152357 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	3.28820801	3.288208008 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	0.969238281	0.969238281 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1765392384	1765392384 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_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	✔
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

T	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 2.38 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	220		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.9282		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	2684354560		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	2147483648		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	21.30166304		
k_CurrOffGainKn_Cnt_u16	18790		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	1.922613621		
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	1.530497074		
tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.591161489		
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	0.2314		
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	119.2920997		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-18.60367322		
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	80.051651	80.05166636 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	4.11755371	4.117553711 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	3.29187012	3.291870117 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	2210658660	2210658660 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_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	✔

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CmMtrCurr\_Per2



T				
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)				
Name	Input Value			
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	0			
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.952			
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	2147483648			
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	2684354560			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
k_CurrCorrErrThresh_Amps_f32	16.04924744			
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	0.3471			
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	-52.15880162			
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-150.9617172			
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	-89.3500671	-89.3501586 ± 0.001	✓	
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	3.02685547	3.026855469 ± 32	✓	
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	3.58898926	3.588989258 ± 32	✓	
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1625092229	1625092229 ± 1	✓	
CmMtrCurr_MtrCurr2LpFiltrSV_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	✓	

T				
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 2.40 (Repeat Count = 1)				
Name	Input Value			
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	63.59160173			
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.9758			
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1610612736			
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	2147483648			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
k_CurrCorrErrThresh_Amps_f32	8.681555271			
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	0.4628			
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	-6.287848115			
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	63.59160173			
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	26.787365	26.78735302 ± 0.001	✓	
			✓	

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CmMtrCurr\_Per2

Name	Actual Value	Expected Value	Result
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	3	3 ± 32	
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	3.80273438	3.802734375 ± 32	✓
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1610612736	1610612736 ± 1	✓
CmMtrCurr_MtrCurr2LpFiltrSV_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	✓

T				
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	-169.6487		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.9996		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	1073741824		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	1610612736		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	33.22194868		
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	0.5785		
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	21.23204285		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	50.18158394		
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	33.6289978	33.62898029 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	1.44287109	1.442871094 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	2.37109375	2.37109375 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	774666572	774666572 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_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	✔

T				
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)

Name	Input Value
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-51.36
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	536870912
CmMtrCurr_MtrCurr2LpFiltrSV_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	0.6942
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	77.21161556
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	156.5993204

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CmMtrCurr\_Per2

Name	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		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-51.3600006	-51.36 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	0.776855469	0.776855469 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	1.47741699	1.477416992 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	417106812	417106812 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_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	✔

T					✓
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) ✓

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	45.69		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.99998474		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	0		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	536870912		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	38.52406257		
k_CurrOffGainKn_Cnt_u16	60584		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	1.846980572		
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	2.024612188		
tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.999984741		
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	0.8099		
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	-203.1573394		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-58.02943832		
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	-20.6795006	-20.67951559 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	1.70727539	1.707275391 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	1.94702148	1.947021484 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	916635920	916635920 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	1045352424	1045352424 ± 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	✔

T					✓
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 2.44 (Repeat Count = 1) ✓

Name	Input Value
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	0.369
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.5487
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	536870912
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	0
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr

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CmMtrCurr\_Per2

Name	Input Value		
k_CurrCorrErrThresh_Amps_f32	26.38577199		
k_CurrOffGainKn_Cnt_u16	2558		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	2.5971663		
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	2.478578091		
tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.819194317		
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	0.9256		
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	65.67773592		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-196.5790142		
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	106.7932323 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	1.06225586	1.062255859 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	0.0966796875	0.096679688 ± 32	✔
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	570337226	570337226 ± 1	✔
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	51937632	51937632 ± 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	✔

T					✓
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 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

**Description** VECTOR DESCRIPTION:  
  
TS3.1 ( Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_f32 )T  
TS3.2 ( Abs\_f32\_m(FiltCurrCorrDiag\_Amps\_T\_f32) > k\_CurrCorrErrThresh\_Amps\_f32 )F

## Test Step 3.1 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	132.9395		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.119		
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	34.84548604		
k_CurrOffGainKn_Cnt_u16	8222		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	1.867313385		
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	-193.1094663		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-176.9777011		
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	147.949432	147.9494308 ± 0.001	✔
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	4.60693359	4.606933594 ± 32	✔
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	4.39111328	4.391113281 ± 32	✔
CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29	2473353374	2473353374 ± 1	✔
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	2357464284	2357464284 ± 1	✔

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CmMtrCurr\_Per2

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	✓
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓

T				
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 3.2 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-132.9395		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.595		
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	536870912		
CmMtrCurr_MtrCurr2LpFiltrSV_Volt_M_u3p29	1610612736		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	43.4733122		
k_CurrOffGainKn_Cnt_u16	26553		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	0.92788434		
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	1.004965544		
tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.999984741		
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	1		
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	120.2740527		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-150.9617172		
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	17.7312012	17.73117511 ± 0.001	✓
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	0.970703125	0.970703125 ± 32	✓
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	2.19152832	2.19152832 ± 32	✓
CmMtrCurr_MtrCurr1LpFiltrSV_Volt_M_u3p29	521178089	521178089 ± 1	✓
CmMtrCurr_MtrCurr2LpFiltrSV_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	✓

T				
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 DETAILS REPORT

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CurrDQPer1



Project	CmMtrCurr1
Module	CmMtrCurr_MTRCURRPHASEAB_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 ✓
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	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

## Comments/Description/Specification

Name	Text
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# TEST DETAILS REPORT

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CurrDQPer1



Module  
'CmMtrCurr\_MTRCURRPHASEAB\_ON

\*\*\*\*\*Unit Test Information\*\*\*\*\*

Name of Tester:Chandrananth 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):130  
Total CALS 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 developer 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

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## Test Case 1: Metrics Test

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

CPU Cycles:  
TC1.1 1002 Cycles  
TC1.2 979 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 && TC1.2 Longest 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

## Test Step 1.1 (Repeat Count = 1)

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	1799		
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_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	2.98000002		
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]	0.969680786	0.969680786 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.333164006	0.333164006 ± 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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	220	220	✔
CDD_MtrCurrK1_Amps_G_f32[0]	220	220 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	3536.18433	3536.18408 ± 32	✔

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Name	Actual Value	Expected Value	Result
CDD_MtrCurrK2_Amps_G_f32[0]	220	220 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	2052.24951	2052.24951 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	220	220 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	-220	-220 ± 0.03	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0		✓

## Test Step 1.2 (Repeat Count = 1)

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]	0.003000000003		
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]	-0.00999999978		
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		
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	550		
k_MtrPosComputDelay_Sec_f32	2.49999994e-005		
k_NoofPoles_Uls_f32	3.8599999		
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]	0.994598389	0.994598389 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0007644	0.0007644 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.00589011842	0.00589011842 ± 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	✔
CDD_MtrCurr2_Volts_G_f32[1]	2.00025487	2.00025487 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	220	220	✔
CDD_MtrCurrDax_Amp_G_f32[1]	25.0002556	25.0002556	✔
CDD_MtrCurrK1_Amps_G_f32[0]	222.569885	222.569885 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	198.000259	198.000259 ± 32	✔
CDD_MtrCurrK2_Amps_G_f32[0]	3.91461754	3.91461301 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	25.0002556	25.0002556 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-11.4647541	-11.4647493 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	63.0002556	63.0002556 ± 0.03	✔

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T					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0		✓

---

**Test Case 2: Range test**

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## Specification

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

CPU Cycles:  
TC2.1 951 Cycles  
TC2.2 1008 Cycles  
TC2.3 934 Cycles  
TC2.4 956 Cycles  
TC2.5 924 Cycles  
TC2.6 947 Cycles  
TC2.7 906 Cycles  
TC2.8 931 Cycles  
TC2.9 911 Cycles  
TC2.10 926 Cycles  
TC2.11 911 Cycles  
TC2.12 898 Cycles  
TC2.13 906 Cycles  
TC2.14 898 Cycles  
TC2.15 898 Cycles  
TC2.16 906 Cycles  
TC2.17 906 Cycles  
TC2.18 949 Cycles  
TC2.19 911 Cycles  
TC2.20 888 Cycles  
TC2.21 888 Cycles  
TC2.22 906 Cycles  
TC2.23 901 Cycles  
TC2.24 917 Cycles  
TC2.25 952 Cycles  
TC2.26 922 Cycles  
TC2.27 906 Cycles  
TC2.28 931 Cycles  
TC2.29 942 Cycles  
TC2.30 922 Cycles  
TC2.31 906 Cycles  
TC2.32 954 Cycles  
TC2.33 906 Cycles  
TC2.34 922 Cycles  
TC2.35 931 Cycles  
TC2.36 925 Cycles  
TC2.37 926 Cycles  
TC2.38 925 Cycles  
TC2.39 926 Cycles  
TC2.40 925 Cycles  
TC2.41 945 Cycles  
TC2.42 945 Cycles  
TC2.43 915 Cycles  
TC2.44 888 Cycles  
TC2.45 938 Cycles  
TC2.46 911 Cycles  
TC2.47 915 Cycles  
TC2.48 853 Cycles  
TC2.49 921 Cycles  
TC2.50 939 Cycles  
TC2.51 949 Cycles  
TC2.52 924 Cycles  
TC2.53 946 Cycles  
TC2.54 887 Cycles  
TC2.55 946 Cycles  
TC2.56 927 Cycles  
TC2.57 918 Cycles  
TC2.58 927 Cycles  
TC2.59 918 Cycles  
TC2.60 894 Cycles  
TC2.61 898 Cycles  
TC2.62 907 Cycles  
TC2.63 952 Cycles  
TC2.64 891 Cycles  
TC2.65 879 Cycles  
TC2.66 879 Cycles  
TC2.67 901 Cycles  
TC2.68 946 Cycles  
TC2.69 901 Cycles  
TC2.70 883 Cycles  
TC2.71 915 Cycles  
TC2.72 888 Cycles  
TC2.73 938 Cycles  
TC2.74 915 Cycles  
TC2.75 888 Cycles  
TC2.76 938 Cycles

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## Description

Vector Description:

TC2.1All Min  
TC2.2All Max  
TC2.3k\_MtrPosComputDelay\_Sec\_f32=Min  
TC2.4k\_MtrPosComputDelay\_Sec\_f32=Max  
TC2.5k\_MtrPosComputDelay\_Sec\_f32=Pos/Default  
TC2.6Rte\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32=Min  
TC2.7Rte\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32=Max  
TC2.8Rte\_Pim\_ShCurrCal.EOLMtrCurr1OffsetLo\_Volts\_f32=Pos  
TC2.9Rte\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32=Min  
TC2.10Rte\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32=Max  
TC2.11Rte\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32=Pos  
TC2.12Rte\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32=Min  
TC2.13Rte\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32=Max  
TC2.14Rte\_Pim\_ShCurrCal.EOLPhscurr1Gain\_AmpspVolt\_f32=Pos  
TC2.15Rte\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32=Min  
TC2.16Rte\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32=Max  
TC2.17Rte\_Pim\_ShCurrCal.EOLPhscurr2Gain\_AmpspVolt\_f32=Pos  
TC2.18CDD\_MRFMtrVel\_MtrRadpS\_G\_f32[2]=Min  
TC2.19CDD\_MRFMtrVel\_MtrRadpS\_G\_f32[2]=Max  
TC2.20CDD\_MRFMtrVel\_MtrRadpS\_G\_f32[2]=Zero  
TC2.21CDD\_MRFMtrVel\_MtrRadpS\_G\_f32[2]=Pos  
TC2.22CDD\_MRFMtrVel\_MtrRadpS\_G\_f32[2]=Neg  
TC2.23CDD\_AppDataFwdPthAccessBfr\_Cnt\_G\_u16=Min  
TC2.24CDD\_AppDataFwdPthAccessBfr\_Cnt\_G\_u16=Max  
TC2.25CDD\_AppDataFwdPthAccessBfr\_Cnt\_G\_u16=Pos  
TC2.26CDD\_Vecu\_Volt\_G\_f32[2]=Min  
TC2.27CDD\_Vecu\_Volt\_G\_f32[2]=Max  
TC2.28CDD\_Vecu\_Volt\_G\_f32[2]=Pos  
TC2.29Adc2\_GetPhsBCurr\_Cnt\_u16\_m=Min  
TC2.30Adc2\_GetPhsBCurr\_Cnt\_u16\_m=Max  
TC2.31Adc2\_GetPhsBCurr\_Cnt\_u16\_m=Pos  
TC2.32Adc2\_GetPhsCCurr\_Cnt\_u16\_m=Min  
TC2.33Adc2\_GetPhsCCurr\_Cnt\_u16\_m=Max  
TC2.34Adc2\_GetPhsCCurr\_Cnt\_u16\_m=Pos  
TC2.35CDD\_MtrCurr1TempOffset\_Volt\_G\_f32[2]=Min  
TC2.36CDD\_MtrCurr1TempOffset\_Volt\_G\_f32[2]=Max  
TC2.37CDD\_MtrCurr1TempOffset\_Volt\_G\_f32[2]=Zero  
TC2.38CDD\_MtrCurr1TempOffset\_Volt\_G\_f32[2]=Pos  
TC2.39CDD\_MtrCurr1TempOffset\_Volt\_G\_f32[2]=Neg  
TC2.40CDD\_MtrCurr2TempOffset\_Volt\_G\_f32[2]=Min  
TC2.41CDD\_MtrCurr2TempOffset\_Volt\_G\_f32[2]=Max  
TC2.42CDD\_MtrCurr2TempOffset\_Volt\_G\_f32[2]=Zero  
TC2.43CDD\_MtrCurr2TempOffset\_Volt\_G\_f32[2]=Pos  
TC2.44CDD\_MtrCurr2TempOffset\_Volt\_G\_f32[2]=Neg  
TC2.45CDD\_MtrElecPol\_Cnt\_G\_s8=Min  
TC2.46CDD\_MtrElecPol\_Cnt\_G\_s8=Max  
TC2.47MtrPos\_CorrectedMtrPos\_Rev\_G\_u0p16=Min  
TC2.48MtrPos\_CorrectedMtrPos\_Rev\_G\_u0p16=Max  
TC2.49MtrPos\_CorrectedMtrPos\_Rev\_G\_u0p16=Pos  
TC2.50MtrCurr1OffDelta\_VoltpVoltCnts\_M\_f32=Min  
TC2.51MtrCurr1OffDelta\_VoltpVoltCnts\_M\_f32=Max  
TC2.52MtrCurr1OffDelta\_VoltpVoltCnts\_M\_f32=Pos  
TC2.53MtrCurr2OffDelta\_VoltpVoltCnts\_M\_f32=Min  
TC2.54MtrCurr2OffDelta\_VoltpVoltCnts\_M\_f32=Max  
TC2.55MtrCurr2OffDelta\_VoltpVoltCnts\_M\_f32=Pos  
TC2.56CDD\_CDDDataAccessBfr\_Cnt\_G\_u16=Min  
TC2.57CDD\_CDDDataAccessBfr\_Cnt\_G\_u16=Max  
TC2.58CDD\_CDDDataAccessBfr\_Cnt\_G\_u16=Pos  
TC2.59CDD\_DCPhsAComp\_Cnt\_G\_u16p0==>Min  
TC2.60CDD\_DCPhsAComp\_Cnt\_G\_u16p0==>Max  
TC2.61CDD\_DCPhsAComp\_Cnt\_G\_u16p0==>Pos  
TC2.62CDD\_DCPhsBComp\_Cnt\_G\_u16p0  
TC2.63CDD\_DCPhsBComp\_Cnt\_G\_u16p0  
TC2.64CDD\_DCPhsBComp\_Cnt\_G\_u16p0  
TC2.65CDD\_DCPhsCComp\_Cnt\_G\_u16p0  
TC2.66CDD\_DCPhsCComp\_Cnt\_G\_u16p0  
TC2.67CDD\_DCPhsCComp\_Cnt\_G\_u16p0  
TC2.68k\_MtrCurrOffLoComOff\_Cnt\_u16==>Min/Default  
TC2.69k\_MtrCurrOffLoComOff\_Cnt\_u16==>Max  
TC2.70k\_MtrCurrOffLoComOff\_Cnt\_u16==>Pos  
TC2.71CDD\_ADC2OffsetComp\_Cnt\_G\_u8p8==>Min  
TC2.72CDD\_ADC2OffsetComp\_Cnt\_G\_u8p8==>Max  
TC2.73CDD\_ADC2OffsetComp\_Cnt\_G\_u8p8==>Pos  
TC2.74k\_NoofPoles\_Uls\_f32==>Min  
TC2.75k\_NoofPoles\_Uls\_f32==>Max/Default  
TC2.76k\_NoofPoles\_Uls\_f32==>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



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Name	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]	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_MtrCurrDax2_Amp_G_f32[0]	-220
CDD_MtrCurrDax_Amp_G_f32[1]	-220

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Name	Input Value		
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_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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	220	220	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	0	0 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	220	220 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	220	220 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.3 (Repeat Count = 1)	
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]	-0.00999999978
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

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Name	Input Value		
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		
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	550		
k_MtrPosComputDelay_Sec_f32	2.49999994e-005		
k_NoofPoles_Uls_f32	2.71202183		
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]	0.99432373	0.99432373 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0007644	0.0007644 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.00413837563	0.00413837563 ± 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	✔
CDD_MtrCurr2_Volts_G_f32[1]	2.00025487	2.00025487 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	220	220	✔
CDD_MtrCurrDax_Amp_G_f32[1]	25.0002556	25.0002556	✔
CDD_MtrCurrK1_Amps_G_f32[0]	222.569885	222.569885 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	198.000259	198.000259 ± 32	✔
CDD_MtrCurrK2_Amps_G_f32[0]	3.91461754	3.91461301 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	25.0002556	25.0002556 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-11.8483696	-11.8483648 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	63.0002556	63.0002556 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.4 (Repeat Count = 1)	
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]	0.00400000019
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]	-0.00800000038
CDD_MtrCurr2_Volts_G_f32[0]	2.0005095
CDD_MtrCurr2_Volts_G_f32[1]	4.00050974
CDD_MtrCurrDax_Amp_G_f32[0]	-200.000504
CDD_MtrCurrDax_Amp_G_f32[1]	198.000504
CDD_MtrCurrK1_Amps_G_f32[0]	-180.000504
CDD_MtrCurrK1_Amps_G_f32[1]	125.000511
CDD_MtrCurrK2_Amps_G_f32[0]	-200.000504
CDD_MtrCurrK2_Amps_G_f32[1]	198.000504

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Name	Input Value		
CDD_MtrCurrQax_Amp_G_f32[0]	-120.000511		
CDD_MtrCurrQax_Amp_G_f32[1]	25.0005093		
CDD_MtrElecPol_Cnt_G_s8	-1		
CDD_Vecu_Volt_G_f32[0]	8.23999977		
CDD_Vecu_Volt_G_f32[1]	7.5		
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	2.09999998e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	5.60000008e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	5177		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	600		
k_MtrPosComputDelay_Sec_f32	0.000199999995		
k_NoofPoles_Uls_f32	3.74299479		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.79999995		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	60.0999985		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	77.0999985		
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]	0.00400000019	0.00400000019 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.170730591	0.170730591 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.0528136566	0.0528136566 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	2.0005095	2.0005095 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	0.743589759	0.743589759 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	2.0005095	2.0005095 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	0.539682567	0.539682567 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	-200.000504	-200.000504	✔
CDD_MtrCurrDax_Amp_G_f32[1]	220	220	✔
CDD_MtrCurrK1_Amps_G_f32[0]	-180.000504	-180.000504 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	529.10144	529.101379 ± 32	✔
CDD_MtrCurrK2_Amps_G_f32[0]	-200.000504	-200.000504 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	92.7710114	92.7709961 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-120.000511	-120.000511 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	220	220 ± 0.03	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0	✓	

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		

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Name	Input Value		
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	2.74794936		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.90000001		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	61.125		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	81.125		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.29999995		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.000228881836	0.000228881836 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00127400004	0.00127400004 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.0161084794	0.0161084794 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	0.753357768	0.753357768 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	2.00076437	2.00076437 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	0.544566572	0.544566572 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	1.00076437	1.00076437 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	220	220	✔
CDD_MtrCurrDax_Amp_G_f32[1]	125.000763	125.000763	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	125.000763	125.000763 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-0.151928037	-0.151932508 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	198.000763	198.000763 ± 0.03	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0	✓	

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]	0.00600000005	
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]	-0.0209999997	
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]	-0.00600000005	
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	

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Name	Input Value		
k_MtrPosComputDelay_Sec_f32	0.000110000001		
k_NoofPoles_Uls_f32	2.36386585		
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		
Name	Actual Value	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.00600000005	0.00600000005 ± 0.0000152587890625	✓
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.169265747	0.169265747 ± 0.0000152587890625	✓
CDD_ElecPosDelayComp_Rad_G_f32	0.0184812937	0.0184812937 ± 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	✓
CDD_MtrCurrDax_Amp_G_f32[1]	130.866104	130.866119	✓
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 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	71.3222275	71.3222275 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	-180.001022	-180.001022 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	88.6482544	88.6482468 ± 0.03	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0	✓	

Test Step 2.7 (Repeat Count = 1)		
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]	-0.00499999989	
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	2.40000008e-005	
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	5.90000018e-005	
MtrPos_CorrectedMtrPos_Rev_G_u0p16	5571	
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	
k_MtrCurrOffLoComOff_Cnt_u16	750	
k_MtrPosComputDelay_Sec_f32	0.000119999997	
k_NoofPoles_Uls_f32	3.24682975	
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3	
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	63.1749992	
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	89.1750031	

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Name	Input Value		
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]	0.00546264648	0.00546264648 ± 0.0000152587890625	✓
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00178359996	0.00178359996 ± 0.0000152587890625	✓
CDD_ElecPosDelayComp_Rad_G_f32	0.0238008853	0.0238008853 ± 0.0000152587890625	✓
CDD_MtrCurr1_Volts_G_f32[0]	0.772893786	0.772893786 ± 32	✓
CDD_MtrCurr1_Volts_G_f32[1]	1.00127399	1.00127399 ± 32	✓
CDD_MtrCurr2_Volts_G_f32[0]	0.554334581	0.554334581 ± 32	✓
CDD_MtrCurr2_Volts_G_f32[1]	2.00127411	2.00127411 ± 32	✓
CDD_MtrCurrDax_Amp_G_f32[0]	220	220	✓
CDD_MtrCurrDax_Amp_G_f32[1]	63.0012741	63.0012741	✓
CDD_MtrCurrK1_Amps_G_f32[0]	269.72403	269.72403 ± 32	✓
CDD_MtrCurrK1_Amps_G_f32[1]	198.001266	198.001266 ± 32	✓
CDD_MtrCurrK2_Amps_G_f32[0]	-1.85746443	-1.85746443 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	63.0012741	63.0012741 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	11.1122417	11.1122427 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	120.001274	120.001274 ± 0.03	✓

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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		
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]		-0.01899999994		
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]		-0.00400000019		
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		2.49999994e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32		5.99999985e-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		5.0063343		
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]	0.177749634	0.177749634 ± 0.0000152587890625	✔	



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Name	Actual Value	Expected Value	Result
CDD_ElecPosDelayComp_Rad_G_f32	0.0465989597	0.0465989597 ± 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	✓
CDD_MtrCurrDax_Amp_G_f32[1]	129.469208	129.469223	✓
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 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	24.0707855	24.0707951 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	-140.001526	-140.001526 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	210.442444	210.442429 ± 0.03	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0		✓

## 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]	0.0017835996		
CDD_MtrCurr1_Volts_G_f32[1]	2.00178361		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.00400000019		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.00300000003		
CDD_MtrCurr2_Volts_G_f32[0]	0.0017835996		
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	3.53356576		
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]	0.0104827881	0.0104827881 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0022932	0.0022932 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.0302323066	0.0302323066 ± 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	✔

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Name	Actual Value	Expected Value	Result
CDD_MtrCurrDax_Amp_G_f32[0]	12.5438757	12.5438814	✓
CDD_MtrCurrDax_Amp_G_f32[1]	198.001785	198.001785	✓
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 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	198.001785	198.001785 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	4.1668005	4.16680384 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	25.0017834	25.0017834 ± 0.03	✓

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.10 (Repeat Count = 1)

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]	0.00999999978
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
CDD_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
CDD_MtrCurr2_Volts_G_f32[1]	2.00203848
CDD_MtrCurrDax_Amp_G_f32[0]	-180.002045
CDD_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
CDD_MtrCurrQax_Amp_G_f32[1]	198.002045
CDD_MtrElecPol_Cnt_G_s8	-1
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	2.88404393
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]	0.00999999978	0.00999999978 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.179290771	0.179290771 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.0312017519	0.0312017519 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	1.00203836	1.00203836 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	0.802197814	0.802197814 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	1.00203836	1.00203836 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	0.568986595	0.568986595 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	-180.002045	-180.002045	✔
CDD_MtrCurrDax_Amp_G_f32[1]	199.108582	199.108612	✔
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 ± 0.0000152587890625	✔

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Name	Actual Value	Expected Value	Result
CDD_MtrCurrK2_Amps_G_f32[1]	116.295929	116.295944 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	-200.002045	-200.002045 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	147.70192	147.701935 ± 0.03	✓

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.11 (Repeat Count = 1)

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		
k_NoofPoles_Uls_f32	3.31720138		
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		
Name	Actual Value	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.014831543	0.014831543 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00280279992	0.00280279992 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.0324488655	0.0324488617 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	0.811965823	0.811965823 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	1.00229323	1.00229323 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	0.573870599	0.573870599 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	1.00229323	1.00229323 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	163.574768	163.574753	✔
CDD_MtrCurrDax_Amp_G_f32[1]	120.002296	120.002296	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	120.002296	120.002296 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	100.305786	100.305779 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	125.002296	125.002296 ± 0.03	✔

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T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## 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
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	6.39999998e-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	5.10269928
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	Actual Value	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0120000001	0.0120000001 ± 0.0000152587890625	✓
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.021697998	0.021697998 ± 0.0000152587890625	✓
CDD_ElecPosDelayComp_Rad_G_f32	0.0630208924	0.063020885 ± 0.0000152587890625	✓
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	✓
CDD_MtrCurrDax_Amp_G_f32[1]	138.435867	138.435867	✓
CDD_MtrCurrK1_Amps_G_f32[0]	-200.002548	-200.002548 ± 32	✓
CDD_MtrCurrK1_Amps_G_f32[1]	150.838562	150.838562 ± 32	✓
CDD_MtrCurrK2_Amps_G_f32[0]	-140.002548	-140.002548 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	-80.9582214	-80.9582214 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	-160.002548	-160.002548 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	100.707581	100.707581 ± 0.03	✓

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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## Test Step 2.13 (Repeat Count = 1)

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]	-0.0149999997		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0140000004		
CDD_MtrCurr1_Volts_G_f32[0]	0.00280279992		
CDD_MtrCurr1_Volts_G_f32[1]	4.00280285		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.00100000005		
CDD_MtrCurr2_Volts_G_f32[0]	0.00280279992		
CDD_MtrCurr2_Volts_G_f32[1]	4.00280285		
CDD_MtrCurrDax_Amp_G_f32[0]	-120.0028		
CDD_MtrCurrDax_Amp_G_f32[1]	25.0028019		
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	2.99999992e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	6.50000002e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	6357		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	1050		
k_MtrPosComputDelay_Sec_f32	0.000180000003		
k_NoofPoles_Uls_f32	5.28036356		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.39999998		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	125		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	113.324997		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.33999991		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0229187012	0.0229187012 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00331240008	0.00331240008 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.0581328422	0.0581328422 ± 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]	172.694214	172.694199	✔
CDD_MtrCurrDax_Amp_G_f32[1]	25.0028019	25.0028019	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	25.0028019	25.0028019 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	85.6130676	85.61306 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	63.0028038	63.0028038 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.14 (Repeat Count = 1)

Name	Input Value
Adc2_GetPhsBCurr_Cnt_u16_m	785
Adc2_GetPhsCCurr_Cnt_u16_m	578

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Name	Input Value		
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_Uls_f32	2.64359784		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.5		
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
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0140000004	0.0140000004 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0215148926	0.0215148926 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.0367546044	0.0367546044 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	1.0030576	1.0030576 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	178.322418	178.322418	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	-59.8777809	-59.8777809 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-120.003059	-120.003059 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	84.6830063	84.6829987 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.15 (Repeat Count = 1)	
Name	Input Value
Adc2_GetPhsBCurr_Cnt_u16_m	801
Adc2_GetPhsCCurr_Cnt_u16_m	590
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

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Name	Input Value		
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]	0.00200000009		
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]	-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	6.70000009e-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	0.000199999995		
k_NoofPoles_Uls_f32	3.77883053		
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]	0.0250396729	0.0250396729 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.003822	0.003822 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.0462717749	0.0462717786 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	0.85103786	0.85103786 ± 32	✔
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]	37.1844711	37.1844749	✔
CDD_MtrCurrDax_Amp_G_f32[1]	125.003311	125.003311	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	125.003311	125.003311 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	10.8779268	10.8779259 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	198.003311	198.003311 ± 0.03	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0		✓

Test Step 2.16 (Repeat Count = 1)		✓
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	



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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]	0.00300000003		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.00400000019		
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_VoltVoltCnt_M_f32	5.60000008e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltVoltCnt_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	2.49999994e-005		
k_NoofPoles_Uls_f32	2.70328236		
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]	0.0204620361	0.0204620361 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.00498333247	0.00498333201 ± 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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	152.193207	152.193222	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	-71.7897491	-71.7897644 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-180.003571	-180.003571 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	92.0626984	92.0627213 ± 0.03	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0		✓

Test Step 2.17 (Repeat Count = 1)		
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	



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Name	Input Value		
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		
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	3.26873398		
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]	0.0224914551	0.0224914551 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00433159992	0.00433159992 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.00520545896	0.00520545896 ± 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]	85.5353699	85.5353699	✔
CDD_MtrCurrDax_Amp_G_f32[1]	63.0038223	63.0038223	✔
CDD_MtrCurrK1_Amps_G_f32[0]	90.5048904	90.5048904 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	198.003815	198.003815 ± 32	✔
CDD_MtrCurrK2_Amps_G_f32[0]	-28.8772049	-28.8771954 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	63.0038223	63.0038223 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	41.3367729	41.3367653 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	120.003822	120.003822 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.18 (Repeat Count = 1)	
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

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Name	Input Value		
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		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	7012		
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	4.37541151		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.89999998		
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]	0.0131530762	0.0131530762 ± 0.0000152587890625	✓
CDD_ElecPosDelayComp_Rad_G_f32	-0.066038087	-0.066038087 ± 0.0000152587890625	✓
CDD_MtrCurr1_Volts_G_f32[0]	4.00407696	4.00407696 ± 32	✓
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	✓
CDD_MtrCurrDax_Amp_G_f32[0]	-120.004074	-120.004074	✓
CDD_MtrCurrDax_Amp_G_f32[1]	60.8762016	60.8762093	✓
CDD_MtrCurrK1_Amps_G_f32[0]	-180.004074	-180.004074 ± 32	✓
CDD_MtrCurrK1_Amps_G_f32[1]	61.7093887	61.7093964 ± 32	✓
CDD_MtrCurrK2_Amps_G_f32[0]	-120.004074	-120.004074 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	-7.54180527	-7.54180765 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	-140.004074	-140.004074 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	12.6101246	12.6101274 ± 0.03	✓

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Name	Input Value
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	5.90000018e-005
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	2.09999998e-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	2.92172194
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]	0.0329437256	0.0329437256 ± 0.0000152587890625	✓
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00484120008	0.00484120008 ± 0.0000152587890625	✓
CDD_ElecPosDelayComp_Rad_G_f32	0.045730792	0.045730792 ± 0.0000152587890625	✓
CDD_MtrCurr1_Volts_G_f32[0]	0.890109897	0.890109897 ± 32	✓
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]	48.9110107	48.9110069	✓
CDD_MtrCurrDax_Amp_G_f32[1]	198.004333	198.004333	✓
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 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	198.004333	198.004333 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	10.554368	10.5543671 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	25.0043316	25.0043316 ± 0.03	✓

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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
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	5.99999985e-005
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	2.20000002e-005

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Name	Input Value		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	7274		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	1400		
k_MtrPosComputDelay_Sec_f32	2.90000007e-005		
k_NoofPoles_Uls_f32	5.49470711		
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	✔
CDD_ElecPosDelayComp_Rad_G_f32	0	0 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	2.00458646	2.00458646 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	0.899877906	0.899877906 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	1.00458646	1.00458646 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	0.617826641	0.617826641 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	-180.004593	-180.004593	✔
CDD_MtrCurrDax_Amp_G_f32[1]	137.101196	137.101212	✔
CDD_MtrCurrK1_Amps_G_f32[0]	-140.004593	-140.004593 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	148.440857	148.440857 ± 32	✔
CDD_MtrCurrK2_Amps_G_f32[0]	-180.004593	-180.004593 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	-52.6343918	-52.634388 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-200.004593	-200.004593 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	77.5134125	77.5134048 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.21 (Repeat Count = 1)	
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
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	3.68196774

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Name	Input Value		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.89999998		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	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]	0.0316925049	0.0316925049 ± 0.0000152587890625	✓
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00535080023	0.00535080023 ± 0.0000152587890625	✓
CDD_ElecPosDelayComp_Rad_G_f32	0.0127012692	0.0127012692 ± 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]	26.2523613	26.2523632	✓
CDD_MtrCurrDax_Amp_G_f32[1]	120.004845	120.004845	✓
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 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	120.004845	120.004845 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	15.4038048	15.4038019 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	125.004845	125.004845 ± 0.03	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0	✓	

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## 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		
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	3.42960882		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.09999999		
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]	0.0219999999	0.0219999999 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.193389893	0.193389893 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	-0.0311081819	-0.0311081819 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	1.00509596	1.00509596 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	0.919413924	0.919413924 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	1.00509596	1.00509596 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	0.62759465	0.62759465 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	-140.005096	-140.005096	✔
CDD_MtrCurrDax_Amp_G_f32[1]	34.9444885	34.9444923	✔
CDD_MtrCurrK1_Amps_G_f32[0]	-200.005096	-200.005096 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	-69.2534943	-69.2535019 ± 32	✔
CDD_MtrCurrK2_Amps_G_f32[0]	-140.005096	-140.005096 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	63.0049934	63.0050011 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-160.005096	-160.005096 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	-86.8594208	-86.8594284 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.23 (Repeat Count = 1)

Name	Input Value
Adc2_GetPhsBCurr_Cnt_u16_m	929
Adc2_GetPhsCCurr_Cnt_u16_m	686
CDD_ADC2OffsetComp_Cnt_G_u8p8	43008

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Name	Input Value		
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]	-0.02199999999		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.02099999997		
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	6.29999995e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	2.49999994e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	7668		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	510		
k_MtrPosComputDelay_Sec_f32	2.99999992e-005		
k_NoofPoles_Uls_f32	2.55424547		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.20000005		
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]	0.200012207	0.200012207 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00586039992	0.00586039992 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	-0.00201434176	-0.00201434176 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	0.929181933	0.929181933 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	1.00535083	1.00535083 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	0.632478654	0.632478654 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	1.00535083	1.00535083 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	-196.369232	-196.369263	✔
CDD_MtrCurrDax_Amp_G_f32[1]	25.0053501	25.0053501	✔
CDD_MtrCurrK1_Amps_G_f32[0]	987.184387	987.184387 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	125.005348	125.005348 ± 32	✔
CDD_MtrCurrK2_Amps_G_f32[0]	-527.141663	-527.141663 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	25.0053501	25.0053501 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	220	220 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	63.005352	63.005352 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.24 (Repeat Count = 1)	
Name	Input Value
Adc2_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

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Name	Input Value		
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]	-0.00400000019		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.00300000003		
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		
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	6.39999998e-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	3.09999996e-005		
k_NoofPoles_Uls_f32	4.01599836		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.29999995		
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	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0240000002	0.0240000002 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0363922119	0.0363922119 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.00451920275	0.00451920275 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	2.0056057	2.0056057 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	0.938950002	0.938950002 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	1.00560558	1.00560558 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	0.637362659	0.637362659 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	-200.0056	-200.0056	✔
CDD_MtrCurrDax_Amp_G_f32[1]	122.633293	122.633301	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	23.2247257	23.2247295 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-120.005608	-120.005608 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	4.69496727	4.69496727 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.25 (Repeat Count = 1)	
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]	-0.00300000003
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.00200000009



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Name	Input Value		
CDD_MtrCurr1_Volts_G_f32[0]	0.00586039992		
CDD_MtrCurr1_Volts_G_f32[1]	2.00586033		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0199999996		
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	3.19999999e-005		
k_NoofPoles_Uls_f32	3.55628181		
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	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0372009277	0.0372009277 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00637000008	0.00637000008 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	-0.00299438904	-0.00299438927 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	0.948718011	0.948718011 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	2.00586033	2.00586033 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	0.642246664	0.642246664 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	1.00586045	1.00586045 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	157.947876	157.947876	✔
CDD_MtrCurrDax_Amp_G_f32[1]	125.005859	125.005859	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	125.005859	125.005859 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	6.97315025	6.97314405 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	198.005859	198.005859 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.26 (Repeat Count = 1)	
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]	-0.00100000005
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

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Name	Input Value		
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_VoltVltCnt_M_f32	6.60000005e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltVltCnt_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	2.66659498		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.5		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVlt_f32	77.6500015		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVlt_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	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0260000005	0.0260000005 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0401916504	0.0401916504 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.00324051315	0.00324051292 ± 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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	173.872589	173.872589	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	34.3647728	34.3647728 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-180.006119	-180.006119 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	9.37571716	9.37571716 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.27 (Repeat Count = 1)	
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
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	474
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]	0
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

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Name	Input Value		
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	8192		
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	5.41137266		
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
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.207550049	0.207550049 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00687960023	0.00687960023 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	-0.00484574866	-0.00484574912 ± 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	✔
CDD_MtrCurrDax_Amp_G_f32[0]	11.2128677	11.2128687	✔
CDD_MtrCurrDax_Amp_G_f32[1]	63.0063705	63.0063705	✔
CDD_MtrCurrK1_Amps_G_f32[0]	170.977768	170.977753 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	198.006363	198.006363 ± 32	✔
CDD_MtrCurrK2_Amps_G_f32[0]	-35.0925484	-35.0925369 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	63.0063705	63.0063705 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	174.181381	174.181366 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	120.006371	120.006371 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.28 (Repeat Count = 1)	
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
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

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Name	Input Value		
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	2.99999992e-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	3.47708869		
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]	0.211044312	0.211044312 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.00454542413	0.00454542413 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	2.0066247	2.0066247 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	0.978022039	0.978022039 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	1.00662482	1.00662482 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	0.656898677	0.656898677 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	-120.006622	-120.006622	✔
CDD_MtrCurrDax_Amp_G_f32[1]	5.64482498	5.64482832	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	-44.5249748	-44.5249748 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-140.006622	-140.006622 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	206.337448	206.337433 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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]	0.00899999961
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]	0.00100000005
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
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]	6.489999977
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

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Name	Input Value		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	570		
k_MtrPosComputDelay_Sec_f32	0.000140000004		
k_NoofPoles_Uls_f32	2.77089477		
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]	0.00944519043	0.00944519043 ± 0.0000152587890625	✓
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0022932	0.0022932 ± 0.0000152587890625	✓
CDD_ElecPosDelayComp_Rad_G_f32	0.0237070825	0.0237070825 ± 0.0000152587890625	✓
CDD_MtrCurr1_Volts_G_f32[0]	0	0 ± 32	✓
CDD_MtrCurr1_Volts_G_f32[1]	2.00687957	2.00687957 ± 32	✓
CDD_MtrCurr2_Volts_G_f32[0]	0.368742377	0.368742377 ± 32	✓
CDD_MtrCurr2_Volts_G_f32[1]	1.00687957	1.00687957 ± 32	✓
CDD_MtrCurrDax_Amp_G_f32[0]	121.758492	121.758484	✓
CDD_MtrCurrDax_Amp_G_f32[1]	198.001785	198.001785	✓
CDD_MtrCurrK1_Amps_G_f32[0]	121.895721	121.895721 ± 32	✓
CDD_MtrCurrK1_Amps_G_f32[1]	120.001785	120.001785 ± 32	✓
CDD_MtrCurrK2_Amps_G_f32[0]	1.30416262	1.30416262 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	198.001785	198.001785 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	5.92789745	5.92789698 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	25.0017834	25.0017834 ± 0.03	✓

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.30 (Repeat Count = 1)	
Name	Input Value
Adc2_GetPhsBCurr_Cnt_u16_m	4095
Adc2_GetPhsCCurr_Cnt_u16_m	770
CDD_ADC2OffsetComp_Cnt_G_u8p8	57344
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0299999993
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]	0.0020000009
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0030000003
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	3.09999996e-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
k_MtrPosComputDelay_Sec_f32	3.70000016e-005
k_NoofPoles_Uls_f32	2.45000958
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.90000001

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Name	Input Value		
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]	0.0299999993	0.0299999993 ± 0.0000152587890625	✓
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0482177734	0.0482177734 ± 0.0000152587890625	✓
CDD_ElecPosDelayComp_Rad_G_f32	0.00343338237	0.00343338237 ± 0.0000152587890625	✓
CDD_MtrCurr1_Volts_G_f32[0]	1.00713444	1.00713444 ± 32	✓
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]	0.666666687	0.666666687 ± 32	✓
CDD_MtrCurrDax_Amp_G_f32[0]	-180.007141	-180.007141	✓
CDD_MtrCurrDax_Amp_G_f32[1]	-108.028488	-108.028488	✓
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 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	-125.326233	-125.326233 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	-200.007141	-200.007141 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	97.5383377	97.5383377 ± 0.03	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0	✓	

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## Test Step 2.31 (Repeat Count = 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]	0.00300000003		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.00400000019		
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	3.19999999e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	5.60000008e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	8716		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	590		
k_MtrPosComputDelay_Sec_f32	3.79999983e-005		
k_NoofPoles_Uls_f32	2.38216853		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	82.7750015		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	43.7750015		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.35599995		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.215942383	0.215942383 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00789880008	0.00789880008 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	-0.00238865986	-0.00238865986 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	2.21611738	2.21611738 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	2.00968242	2.00968242 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	0.671550691	0.671550691 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	2.00968242	2.00968242 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	34.5873375	34.5873375	✔
CDD_MtrCurrDax_Amp_G_f32[1]	120.007393	120.007393	✔
CDD_MtrCurrK1_Amps_G_f32[0]	149.796356	149.796356 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	25.0073891	25.0073891 ± 32	✔
CDD_MtrCurrK2_Amps_G_f32[0]	2.84126139	2.84126139 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	120.007393	120.007393 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	145.776321	145.776321 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	125.007393	125.007393 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.32 (Repeat Count = 1)

Name	Input Value
Adc2_GetPhsBCurr_Cnt_u16_m	1100
Adc2_GetPhsCCurr_Cnt_u16_m	0
CDD_ADC2OffsetComp_Cnt_G_u8p8	61440

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Name	Input Value		
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]	0.00400000019		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.00499999989		
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	3.81904554		
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]	0.0525817871	0.0525817871 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.00571940234	0.0057194028 ± 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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	92.9117203	92.9117355	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	-62.2364769	-62.2364807 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-160.007645	-160.007645 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	97.6588821	97.6588898 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.33 (Repeat Count = 1)	
Name	Input Value
Adc2_GetPhsBCurr_Cnt_u16_m	1111
Adc2_GetPhsCCurr_Cnt_u16_m	4095
CDD_ADC2OffsetComp_Cnt_G_u8p8	63488
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0329999998
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00840840023
CDD_DCPHsBComp_Cnt_G_u16p0	991



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Name	Input Value		
CDD_DCPhsCComp_Cnt_G_u16p0	1134		
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-52.8250008		
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	70.8249969		
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.00499999989		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.00600000005		
CDD_MtrCurr1_Volts_G_f32[0]	0.00789880008		
CDD_MtrCurr1_Volts_G_f32[1]	2.00789881		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0120000001		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0109999999		
CDD_MtrCurr2_Volts_G_f32[0]	0.00789880008		
CDD_MtrCurr2_Volts_G_f32[1]	1.00789881		
CDD_MtrCurrDax_Amp_G_f32[0]	-200.007904		
CDD_MtrCurrDax_Amp_G_f32[1]	198.007904		
CDD_MtrCurrK1_Amps_G_f32[0]	-180.007904		
CDD_MtrCurrK1_Amps_G_f32[1]	125.007896		
CDD_MtrCurrK2_Amps_G_f32[0]	-200.007904		
CDD_MtrCurrK2_Amps_G_f32[1]	198.007904		
CDD_MtrCurrQax_Amp_G_f32[0]	-140.007904		
CDD_MtrCurrQax_Amp_G_f32[1]	63.0079002		
CDD_MtrElecPol_Cnt_G_s8	-1		
CDD_Vecu_Volt_G_f32[0]	10.5299997		
CDD_Vecu_Volt_G_f32[1]	9.25		
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	3.40000006e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	6.60000005e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	8978		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	610		
k_MtrPosComputDelay_Sec_f32	3.9999999e-005		
k_NoofPoles_Uls_f32	4.424788		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.10000002		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	84.8249969		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	47.8250008		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.35800004		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.219573975	0.219573975 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00840840023	0.00840840023 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	-0.00467478856	-0.00467478856 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	1.05372405	1.05372405 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	2.00789881	2.00789881 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	4.69719172	4.69719172 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	1.00789881	1.00789881 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	-83.1549072	-83.1549149	✔
CDD_MtrCurrDax_Amp_G_f32[1]	198.007904	198.007904	✔
CDD_MtrCurrK1_Amps_G_f32[0]	-79.5194244	-79.5194244 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	125.007896	125.007896 ± 32	✔
CDD_MtrCurrK2_Amps_G_f32[0]	-69.3080673	-69.308075 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	198.007904	198.007904 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-64.9015274	-64.9015274 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	63.0079002	63.0079002 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.34 (Repeat Count = 1)	
Name	Input Value
Adc2_GetPhsBCurr_Cnt_u16_m	881
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]	0.01999999996
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00509600015
CDD_DCPHsBComp_Cnt_G_u16p0	7150
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]	0.00600000005
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.00700000022

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Name	Input Value		
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]	-0.00999999978		
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	2.19289589		
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	✔
CDD_ElecPosDelayComp_Rad_G_f32	0	0 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	1.00815356	1.00815356 ± 32	✔
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	✔
CDD_MtrCurrDax_Amp_G_f32[0]	-180.004593	-180.004593	✔
CDD_MtrCurrDax_Amp_G_f32[1]	107.870247	107.870262	✔
CDD_MtrCurrK1_Amps_G_f32[0]	-140.004593	-140.004593 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	103.4179	103.417915 ± 32	✔
CDD_MtrCurrK2_Amps_G_f32[0]	-180.004593	-180.004593 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	34.7549591	34.7549667 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-200.004593	-200.004593 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	-16.3456211	-16.345623 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0260000005
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-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

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Name	Input Value		
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	4.63432026		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.89999998		
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		
Name	Actual Value	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.23765564	0.23765564 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00891800039	0.00891800039 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.00832787342	0.00832787342 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	1.45421255	1.45421255 ± 32	✔
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]	60.633667	60.6336555	✔
CDD_MtrCurrDax_Amp_G_f32[1]	63.0084076	63.0084076	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	63.0084076	63.0084076 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	220	220 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	125.008408	125.008408 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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
CDD_MtrCurrK1_Amps_G_f32[0]	5.00866318
CDD_MtrCurrK1_Amps_G_f32[1]	14.0086632

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Name	Input Value		
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	2.05782723		
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]	0.0713043213	0.0713043213 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	-0.00226371293	-0.00226371293 ± 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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	220	220	✔
CDD_MtrCurrK1_Amps_G_f32[0]	5.00866318	5.00866318 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	295.212341	295.212341 ± 32	✔
CDD_MtrCurrK2_Amps_G_f32[0]	-120.008667	-120.008667 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	-28.6416264	-28.6416264 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-160.008667	-160.008667 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	153.695068	153.695053 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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

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Name	Input Value		
CDD_Vecu_Volt_G_f32[0]	14.5699997		
CDD_Vecu_Volt_G_f32[1]	13.29		
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	3.79999983e-005		
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	5.05101204		
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]	0.241851807	0.241851807 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00942759961	0.00942759961 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.00958745275	0.00958745275 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	1.48473752	1.48473752 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	1.00891805	1.00891805 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	0.0671550706	0.0671550706 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	1.00891805	1.00891805 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	41.742836	41.742836	✔
CDD_MtrCurrDax_Amp_G_f32[1]	198.008911	198.008911	✔
CDD_MtrCurrK1_Amps_G_f32[0]	313.270416	313.270416 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	18.0089188	18.0089188 ± 32	✔
CDD_MtrCurrK2_Amps_G_f32[0]	25.7452164	25.7452164 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	198.008911	198.008911 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	220	220 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	63.0089188	63.0089188 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.38 (Repeat Count = 1)	
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]	0.00999999978
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
CDD_MtrCurr2_Volts_G_f32[0]	1.0091728
CDD_MtrCurr2_Volts_G_f32[1]	2.00917292
CDD_MtrCurrDax_Amp_G_f32[0]	-180.009171
CDD_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
CDD_Vecu_Volt_G_f32[0]	15.5799999
CDD_Vecu_Volt_G_f32[1]	14.3000002
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	3.89999987e-005
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	1.89999992e-005
MtrPos_CorrectedMtrPos_Rev_G_u0p16	10420

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Name	Input Value		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	660		
k_MtrPosComputDelay_Sec_f32	5.09999991e-005		
k_NoofPoles_Uls_f32	4.98552084		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.20000005		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	95.9499969		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	69.9499969		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.36899996		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0379999988	0.0379999988 ± 0.0000152587890625	✓
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0747528076	0.0747528076 ± 0.0000152587890625	✓
CDD_ElecPosDelayComp_Rad_G_f32	-0.00571452873	-0.00571452873 ± 0.0000152587890625	✓
CDD_MtrCurr1_Volts_G_f32[0]	2.00917292	2.00917292 ± 32	✓
CDD_MtrCurr1_Volts_G_f32[1]	1.49206352	1.49206352 ± 32	✓
CDD_MtrCurr2_Volts_G_f32[0]	1.0091728	1.0091728 ± 32	✓
CDD_MtrCurr2_Volts_G_f32[1]	0.070818074	0.070818074 ± 32	✓
CDD_MtrCurrDax_Amp_G_f32[0]	-180.009171	-180.009171	✓
CDD_MtrCurrDax_Amp_G_f32[1]	220	220	✓
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 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	-13.9402857	-13.9402952 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	-120.009171	-120.009171 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	174.588409	174.588394 ± 0.03	✓

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.39 (Repeat Count = 1)	
Name	Input Value
Adc2_GetPhsBCurr_Cnt_u16_m	1243
Adc2_GetPhsCCurr_Cnt_u16_m	75
CDD_ADC2OffsetComp_Cnt_G_u8p8	3840
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0390000008
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00993719976
CDD_DCPhsBComp_Cnt_G_u16p0	2179
CDD_DCPhsCComp_Cnt_G_u16p0	2454
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-52.9749985
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	76.9749985
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.00499999989
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.00400000019
CDD_MtrCurr1_Volts_G_f32[0]	0.00942759961
CDD_MtrCurr1_Volts_G_f32[1]	2.00942755
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.0160000008
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0170000009
CDD_MtrCurr2_Volts_G_f32[0]	0.00942759961
CDD_MtrCurr2_Volts_G_f32[1]	1.00942755
CDD_MtrCurrDax_Amp_G_f32[0]	-160.00943
CDD_MtrCurrDax_Amp_G_f32[1]	120.00943
CDD_MtrCurrK1_Amps_G_f32[0]	5.00942755
CDD_MtrCurrK1_Amps_G_f32[1]	26.009428
CDD_MtrCurrK2_Amps_G_f32[0]	-160.00943
CDD_MtrCurrK2_Amps_G_f32[1]	120.00943
CDD_MtrCurrQax_Amp_G_f32[0]	-200.00943
CDD_MtrCurrQax_Amp_G_f32[1]	198.00943
CDD_MtrElecPol_Cnt_G_s8	-1
CDD_Vecu_Volt_G_f32[0]	16.5900002
CDD_Vecu_Volt_G_f32[1]	15.3100004
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	3.9999999e-005
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	1.99999995e-005
MtrPos_CorrectedMtrPos_Rev_G_u0p16	10551
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
k_MtrCurrOffLoComOff_Cnt_u16	670
k_MtrPosComputDelay_Sec_f32	5.19999994e-005
k_NoofPoles_Uls_f32	5.24843407
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.29999995

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Name	Input Value		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	96.9749985		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	71.9749985		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.36999989		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.246002197	0.246002197 ± 0.0000152587890625	✓
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00993719976	0.00993719976 ± 0.0000152587890625	✓
CDD_ElecPosDelayComp_Rad_G_f32	0.0105039533	0.0105039533 ± 0.0000152587890625	✓
CDD_MtrCurr1_Volts_G_f32[0]	1.49938953	1.49938953 ± 32	✓
CDD_MtrCurr1_Volts_G_f32[1]	2.00942755	2.00942755 ± 32	✓
CDD_MtrCurr2_Volts_G_f32[0]	0.0732600763	0.0732600763 ± 32	✓
CDD_MtrCurr2_Volts_G_f32[1]	1.00942755	1.00942755 ± 32	✓
CDD_MtrCurrDax_Amp_G_f32[0]	19.1939888	19.1939964	✓
CDD_MtrCurrDax_Amp_G_f32[1]	120.00943	120.00943	✓
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 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	120.00943	120.00943 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	220	220 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	198.00943	198.00943 ± 0.03	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0	✓	

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## 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]	0.0399999991		
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	4.09999993e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	2.09999998e-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	5.29999998e-005		
k_NoofPoles_Uls_f32	4.24585629		
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	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0399999991	0.0399999991 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0788726807	0.0788726807 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	-0.00499173673	-0.00499173673 ± 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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	220	220	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	5.46439552	5.46438694 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-180.009689	-180.009689 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	197.711594	197.711594 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.41 (Repeat Count = 1)

Name	Input Value
Adc2_GetPhsBCurr_Cnt_u16_m	1265
Adc2_GetPhsCCurr_Cnt_u16_m	90
CDD_ADC2OffsetComp_Cnt_G_u8p8	1536



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Name	Input Value		
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		
CDD_Vecu_Volt_G_f32[0]	18.6100006		
CDD_Vecu_Volt_G_f32[1]	17.3299999		
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	4.19999997e-005		
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_Uls_f32	3.36197019		
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]	0.0827789307	0.0827789307 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0104467999	0.0104467999 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.00699180504	0.00699180551 ± 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	✔
CDD_MtrCurr2_Volts_G_f32[1]	1.00993717	1.00993717 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	220	220	✔
CDD_MtrCurrDax_Amp_G_f32[1]	25.0099373	25.0099373	✔
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	10.283968 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	25.0099373	25.0099373 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	219.066895	219.06691 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	120.009933	120.009933 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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

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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	4.78002453		
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]	0.08543396	0.08543396 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.0110484296	0.0110484296 ± 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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	220	220	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	21.0055828	21.0055733 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-140.010193	-140.010193 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	220	220 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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

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Name	Input Value		
CDD_MtrCurr1_Volts_G_f32[0]	0.0104467999		
CDD_MtrCurr1_Volts_G_f32[1]	2.01044679		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00999999978		
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	3.34244037		
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]	0.0848999023	0.0848999023 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0109564001	0.0109564001 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	-0.00487361243	-0.00487361243 ± 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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	125.010445	125.010445	✔
CDD_MtrCurrK1_Amps_G_f32[0]	566.857239	566.8573 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	6.01044703	6.01044703 ± 32	✔
CDD_MtrCurrK2_Amps_G_f32[0]	35.65168	35.65168 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	125.010445	125.010445 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	220	220 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	25.0104465	25.0104465 ± 0.03	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0		✓

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]	0.0439999998	
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	

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Name	Input Value		
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_VoltVltCnt_M_f32	4.50000007e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltVltCnt_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	3.50456953		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.79999995		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVlt_f32	101.099998		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVlt_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]	0.0439999998	0.0439999998 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0890350342	0.0890350342 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.00849980768	0.00849980768 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	1.01070166	1.01070166 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	1.56654465	1.56654465 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	1.01070166	1.01070166 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	0.792429805	0.792429805 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	-160.010696	-160.010696	✔
CDD_MtrCurrDax_Amp_G_f32[1]	220	220	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	59.7491302	59.7491302 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-200.010696	-200.010696 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	220	220 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.45 (Repeat Count = 1)	
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
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

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Name	Input Value		
CDD_MtrCurrK2_Amps_G_f32[0]	-140.010956		
CDD_MtrCurrK2_Amps_G_f32[1]	63.0109558		
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	5.22677374		
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		
Name	Actual Value	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.255081177	0.255081177 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0114660002	0.0114660002 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	-0.00790092256	-0.00790092163 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	1.57631266	1.57631266 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	1.01095641	1.01095641 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	0.374847382	0.374847382 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	2.01095629	2.01095629 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	-75.1119461	-75.1119461	✔
CDD_MtrCurrDax_Amp_G_f32[1]	63.0109558	63.0109558	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	63.0109558	63.0109558 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	220	220 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	125.010956	125.010956 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.46 (Repeat Count = 1)	
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]	0.0460000001
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]	0.0189999994
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]	0.0189999994
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

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Name	Input Value		
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	4.65923882		
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	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0460000001	0.0460000001 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0935668945	0.0935668945 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.0118411062	0.0118411062 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	2.01121116	2.01121116 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	1.58608067	1.58608067 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	1.01121116	1.01121116 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	1.71428573	1.71428573 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	-120.011208	-120.011208	✔
CDD_MtrCurrDax_Amp_G_f32[1]	220	220	✔
CDD_MtrCurrK1_Amps_G_f32[0]	4.0112114	4.0112114 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	617.566223	617.566162 ± 32	✔
CDD_MtrCurrK2_Amps_G_f32[0]	-120.011208	-120.011208 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	125.325378	125.325378 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-160.011215	-160.011215 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	220	220 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.47 (Repeat Count = 1)	
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]	0.0500000007
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]	0.0219999999
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

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Name	Input Value		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	780		
k_MtrPosComputDelay_Sec_f32	6.29999995e-005		
k_NoofPoles_Uls_f32	5.82730293		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.29999995		
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	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0500000007	0.0500000007 ± 0.0000152587890625	✓
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.919250488	0.919250488 ± 0.0000152587890625	✓
CDD_ElecPosDelayComp_Rad_G_f32	0.0161991734	0.0161991734 ± 0.0000152587890625	✓
CDD_MtrCurr1_Volts_G_f32[0]	4.0122304	4.0122304 ± 32	✓
CDD_MtrCurr1_Volts_G_f32[1]	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	✓
CDD_MtrCurrDax_Amp_G_f32[1]	220	220	✓
CDD_MtrCurrK1_Amps_G_f32[0]	7.0122304	7.0122304 ± 32	✓
CDD_MtrCurrK1_Amps_G_f32[1]	718.552856	718.552795 ± 32	✓
CDD_MtrCurrK2_Amps_G_f32[0]	-140.012238	-140.012238 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	0.659367979	0.659367979 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	-180.012238	-180.012238 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	-220	-220 ± 0.03	✓

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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_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	3.9999999e-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	6.39999998e-005
k_NoofPoles_Uls_f32	4.50823975
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.39999998

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Name	Input Value		
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]	0.0821075439	0.0821075439 ± 0.0000152587890625	✓
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0129947998	0.0129947998 ± 0.0000152587890625	✓
CDD_ElecPosDelayComp_Rad_G_f32	-0.00754138362	-0.00754138362 ± 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	✓
CDD_MtrCurrDax_Amp_G_f32[1]	25.0124855	25.0124855	✓
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	5.51565886 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	25.0124855	25.0124855 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	220	220 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	120.012482	120.012482 ± 0.03	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0	✓	



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## 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		
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]	-44.29999992		
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	2.97059679		
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]	0.418045044	0.418045044 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.00862141419	0.00862141512 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	1.01605237	1.01605237 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	1.64468873	1.64468873 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	1.01605237	1.01605237 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	0.871794879	0.871794879 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	-200.012741	-200.012741	✔
CDD_MtrCurrDax_Amp_G_f32[1]	-220	-220	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	32.7510109	32.7510109 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-140.012741	-140.012741 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	220	220 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## 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

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Name	Input Value		
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		
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	4.07683086		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.60000002		
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]	0.267120361	0.267120361 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0135043999	0.0135043999 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.0112101631	0.0112101631 ± 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]	155.378952	155.378952	✔
CDD_MtrCurrDax_Amp_G_f32[1]	125.012993	125.012993	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	125.012993	125.012993 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	220	220 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	25.0129948	25.0129948 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.51 (Repeat Count = 1)	
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

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Name	Input Value		
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		
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	5.4423542		
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]	0.125396729	0.125396729 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	-0.00808584131	-0.00808584131 ± 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	✔
CDD_MtrCurr2_Volts_G_f32[1]	0.374847382	0.374847382 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	-160.013245	-160.013245	✔
CDD_MtrCurrDax_Amp_G_f32[1]	220	220	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	784.670288	784.670288 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-200.013245	-200.013245 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	220	220 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.52 (Repeat Count = 1)	
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

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Name	Input Value		
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		
k_MtrCurrOffLoComOff_Cnt_u16	830		
k_MtrPosComputDelay_Sec_f32	6.80000012e-005		
k_NoofPoles_Uls_f32	4.1064229		
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]	0.32321167	0.32321167 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0140140001	0.0140140001 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.0117803011	0.0117803011 ± 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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	63.013504	63.013504	✔
CDD_MtrCurrK1_Amps_G_f32[0]	714.674683	714.674683 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	26.013504	26.013504 ± 32	✔
CDD_MtrCurrK2_Amps_G_f32[0]	-7.30865431	-7.30865431 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	63.013504	63.013504 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	220	220 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	125.013504	125.013504 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.53 (Repeat Count = 1)	
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

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Name	Input Value		
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	3.98144245		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.89999998		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	113.400002		
tgt_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	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0560000017	0.0560000017 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.18170166	0.18170166 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	-0.0060987738	-0.0060987738 ± 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	✔
CDD_MtrCurr2_Volts_G_f32[1]	0.0891330913	0.0891330913 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	-120.013756	-120.013756	✔
CDD_MtrCurrDax_Amp_G_f32[1]	140.593597	140.593597	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	-36.2100029	-36.2099915 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-160.013763	-160.013763 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	220	220 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.54 (Repeat Count = 1)	
Name	Input Value
Adc2_GetPhsBCurr_Cnt_u16_m	1441
Adc2_GetPhsCCurr_Cnt_u16_m	210
CDD_ADC2OffsetComp_Cnt_G_u8p8	13824
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.057
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0145236002
CDD_DCPhsBComp_Cnt_G_u16p0	3763
CDD_DCPhsCComp_Cnt_G_u16p0	4214
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-52.4249992
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	85.4250031
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0209999997
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0199999996
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]	-0.00200000009
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

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Name	Input Value		
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	6.29999995e-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	7.00000019e-005		
k_NoofPoles_Uls_f32	3.30382323		
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	Result
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	0.00987801887	0.00987801887 ± 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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	198.014008	198.014008	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	198.014008	198.014008 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	220	220 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	63.0140152	63.0140152 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.55 (Repeat Count = 1)	
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]	-0.00999999978
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.00899999961
CDD_MtrCurr1_Volts_G_f32[0]	2.01426888
CDD_MtrCurr1_Volts_G_f32[1]	4.01426888
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00499999989
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.00600000005
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

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Name	Input Value		
CDD_Vecu_Volt_G_f32[0]	8.77999973		
CDD_Vecu_Volt_G_f32[1]	15.8500004		
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	6.39999998e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	8.49999997e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	21103		
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	4.80225563		
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	✓
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.237472534	0.237472534 ± 0.0000152587890625	✓
CDD_ElecPosDelayComp_Rad_G_f32	-0.00757783977	-0.00757783977 ± 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	✓
CDD_MtrCurrDax_Amp_G_f32[1]	-65.1504593	-65.1504211	✓
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 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	-124.910385	-124.910385 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	-120.014267	-120.014267 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	220	220 ± 0.03	✓

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Name	Input Value		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	870		
k_MtrPosComputDelay_Sec_f32	0.000106		
k_NoofPoles_Uls_f32	5.30713034		
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]	0.105392456	0.105392456 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0150332004	0.0150332004 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.000414884911	0.000414884911 ± 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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	120.014526	120.014526	✔
CDD_MtrCurrK1_Amps_G_f32[0]	342.509766	342.509735 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	18.0145245	18.0145245 ± 32	✔
CDD_MtrCurrK2_Amps_G_f32[0]	17.5334911	17.5335007 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	120.014526	120.014526 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	196.765732	196.765701 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	25.0145245	25.0145245 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.57 (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]	0.0599999987
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	880
k_MtrPosComputDelay_Sec_f32	0.000107
k_NoofPoles_Uls_f32	2.10435843
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.29999995



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Name	Input Value			
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]	0.941009521	0.941009521 ± 0.0000152587890625	✓	
CDD_ElecPosDelayComp_Rad_G_f32	0.00208278862	0.00208278862 ± 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	✓	
CDD_MtrCurrDax_Amp_G_f32[1]	220	220	✓	
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]	-140.014786	-140.014786 ± 0.0000152587890625	✓	
CDD_MtrCurrK2_Amps_G_f32[1]	20.590559	20.590559 ± 0.0000152587890625	✓	
CDD_MtrCurrQax_Amp_G_f32[0]	-140.014786	-140.014786 ± 0.03	✓	
CDD_MtrCurrQax_Amp_G_f32[1]	-220	-220 ± 0.03	✓	

T					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0	✓	

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## Test Step 2.58 (Repeat Count = 1)

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		
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	1.49999996e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	6.39999998e-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	4.04976606		
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	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.000333498232	0.000333498232 ± 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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	63.0150337	63.0150337	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	63.0150337	63.0150337 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	110.249191	110.249214 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	25.0150337	25.0150337 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## 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

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Name	Input Value		
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		
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	3.28270912		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.89999998		
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]	0.933120728	0.933120728 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.00279793493	0.00279793493 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	2.01095629	2.01095629 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	2.11843729	2.11843729 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	2.01095629	2.01095629 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	0.474969506	0.474969506 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	-120.015289	-120.015289	✔
CDD_MtrCurrDax_Amp_G_f32[1]	220	220	✔
CDD_MtrCurrK1_Amps_G_f32[0]	7.01528788	7.01528788 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	464.143768	464.143768 ± 32	✔
CDD_MtrCurrK2_Amps_G_f32[0]	-120.015289	-120.015289 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	-161.505264	-161.505264 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-180.015289	-180.015289 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	-41.895813	-41.8958168 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.60 (Repeat Count = 1)	
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

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Name	Input Value		
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	1.70000003e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	6.60000005e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	1180		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	910		
k_MtrPosComputDelay_Sec_f32	0.000103999999		
k_NoofPoles_Uls_f32	2.15225244		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	64.5749969		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	47.5750008		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.42199993		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.101364136	0.101364136 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0160524007	0.0160524007 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.000176269474	0.000176269474 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	2.1282053	2.1282053 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	4.01554298	4.01554298 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	0.479853511	0.479853511 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	4.01554298	4.01554298 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	220	220	✔
CDD_MtrCurrDax_Amp_G_f32[1]	198.015549	198.015549	✔
CDD_MtrCurrK1_Amps_G_f32[0]	291.858002	291.858002 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	30.015543	30.015543 ± 32	✔
CDD_MtrCurrK2_Amps_G_f32[0]	109.987984	109.987984 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	198.015549	198.015549 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	85.14254	85.1425323 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	120.015541	120.015541 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.61 (Repeat Count = 1)	
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
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	17.6000004
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0219999999
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.023

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Name	Input Value		
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	1.49999996e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	1311		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	920		
k_MtrPosComputDelay_Sec_f32	0.000104999999		
k_NoofPoles_Uls_f32	3.97869086		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.0999999		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	66.5999985		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	48.5999985		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.4230001		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.064000003	0.064000003 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.937255859	0.937255859 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.00367631065	0.00367631041 ± 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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	220	220	✔
CDD_MtrCurrK1_Amps_G_f32[0]	3.01579762	3.01579762 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	310.365723	310.365662 ± 32	✔
CDD_MtrCurrK2_Amps_G_f32[0]	-180.015793	-180.015793 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	-16.685545	-16.685545 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-140.015793	-140.015793 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	-103.805908	-103.805878 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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]	-0.00400000019
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]	-0.00400000019
CDD_MtrCurr2_Volts_G_f32[0]	1.01605237

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Name	Input Value		
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	6.90000015e-005		
k_NoofPoles_Uls_f32	2.43344188		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.89999998		
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	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0649999976	0.0649999976 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.348739624	0.348739624 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	-0.00374643598	-0.00374643598 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	1.01605237	1.01605237 ± 32	✔
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_MtrCurrDax_Amp_G_f32[0]	-120.016052	-120.016052	✔
CDD_MtrCurrDax_Amp_G_f32[1]	-45.8905716	-45.8905754	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	108.192352	108.192352 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-160.016052	-160.016052 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	220	220 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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

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Name	Input Value		
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	1		
CDD_Vecu_Volt_G_f32[0]	16.8600006		
CDD_Vecu_Volt_G_f32[1]	31		
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	2.01812696		
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]	0.211639404	0.211639404 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0168168005	0.0168168005 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.00604984071	0.00604984025 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	1.66056168	1.66056168 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	1.01630723	1.01630723 ± 32	✔
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]	-114.751556	-114.751518	✔
CDD_MtrCurrDax_Amp_G_f32[1]	198.016312	198.016312	✔
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	-230.580276 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	198.016312	198.016312 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	220	220 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	63.0163078	63.0163078 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.64 (Repeat Count = 1)	
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
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

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Name	Input Value		
CDD_Vecu_Volt_G_f32[0]	17.8700008		
CDD_Vecu_Volt_G_f32[1]	5.75		
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	2.09999998e-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	4.59762669		
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]	0.404174805	0.404174805 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	-0.0072916639	-0.00729166344 ± 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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	-160.720734	-160.720764	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	102.525459	102.525452 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-120.016563	-120.016563 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	220	220 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.65 (Repeat Count = 1)	
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
CDD_MtrCurr2_Volts_G_f32[1]	4.01681662
CDD_MtrCurrDax_Amp_G_f32[0]	-160.016815
CDD_MtrCurrDax_Amp_G_f32[1]	120.016815
CDD_MtrCurrK1_Amps_G_f32[0]	4.01681662
CDD_MtrCurrK1_Amps_G_f32[1]	18.0168171
CDD_MtrCurrK2_Amps_G_f32[0]	-160.016815
CDD_MtrCurrK2_Amps_G_f32[1]	120.016815
CDD_MtrCurrQax_Amp_G_f32[0]	-120.016815
CDD_MtrCurrQax_Amp_G_f32[1]	25.0168171
CDD_MtrElecPol_Cnt_G_s8	1
CDD_Vecu_Volt_G_f32[0]	18.8799992
CDD_Vecu_Volt_G_f32[1]	6.76000023
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	2.20000002e-005
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	1.89999992e-005
MtrPos_CorrectedMtrPos_Rev_G_u0p16	1442



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Name	Input Value		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	960		
k_MtrPosComputDelay_Sec_f32	0.000106		
k_NoofPoles_Uls_f32	2.17562199		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.20000005		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	68.6999969		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	49.7000008		
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]	0.938705444	0.938705444 ± 0.0000152587890625	✓
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0173263997	0.0173263997 ± 0.0000152587890625	✓
CDD_ElecPosDelayComp_Rad_G_f32	0.000196023539	0.000196023539 ± 0.0000152587890625	✓
CDD_MtrCurr1_Volts_G_f32[0]	2.13675213	2.13675213 ± 32	✓
CDD_MtrCurr1_Volts_G_f32[1]	4.01681662	4.01681662 ± 32	✓
CDD_MtrCurr2_Volts_G_f32[0]	0.479853511	0.479853511 ± 32	✓
CDD_MtrCurr2_Volts_G_f32[1]	4.01681662	4.01681662 ± 32	✓
CDD_MtrCurrDax_Amp_G_f32[0]	72.490181	72.4901733	✓
CDD_MtrCurrDax_Amp_G_f32[1]	120.016815	120.016815	✓
CDD_MtrCurrK1_Amps_G_f32[0]	54.0692978	54.0692902 ± 32	✓
CDD_MtrCurrK1_Amps_G_f32[1]	18.0168171	18.0168171 ± 32	✓
CDD_MtrCurrK2_Amps_G_f32[0]	-59.5764389	-59.5764427 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	120.016815	120.016815 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	34.900074	34.9000778 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	25.0168171	25.0168171 ± 0.03	✓

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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	0
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
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	3.3035264
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.70000005

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Name	Input Value		
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]	0.994476318	0.994476318 ± 0.0000152587890625	✓
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0007644	0.0007644 ± 0.0000152587890625	✓
CDD_ElecPosDelayComp_Rad_G_f32	0.00504097482	0.00504097436 ± 0.0000152587890625	✓
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	✓
CDD_MtrCurrDax_Amp_G_f32[1]	25.0002556	25.0002556	✓
CDD_MtrCurrK1_Amps_G_f32[0]	223.596558	223.596558 ± 32	✓
CDD_MtrCurrK1_Amps_G_f32[1]	198.000259	198.000259 ± 32	✓
CDD_MtrCurrK2_Amps_G_f32[0]	10.1515856	10.1515856 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	25.0002556	25.0002556 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	-17.9040432	-17.9040432 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	63.0002556	63.0002556 ± 0.03	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0	✓	

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## Test Step 2.67 (Repeat Count = 1)



Name	Input Value
Adc2_GetPhsBCurr_Cnt_u16_m	1859
Adc2_GetPhsCCurr_Cnt_u16_m	495

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Name	Input Value		
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	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]	-0.00999999978		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.00899999961		
CDD_MtrCurr1_Volts_G_f32[0]	2.01426888		
CDD_MtrCurr1_Volts_G_f32[1]	4.01426888		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00499999989		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.00600000005		
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	6.39999998e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	8.49999997e-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	2.0648644		
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	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.23815918	0.23815918 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	-0.00325830467	-0.00325830467 ± 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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	-94.2807541	-94.2807541	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	-119.152496	-119.152496 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-120.014267	-120.014267 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	220	220 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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]	0.0590000004
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0150332004
CDD_DCPHsBComp_Cnt_G_u16p0	3961

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Name	Input Value		
CDD_DCPhsCComp_Cnt_G_u16p0	4434		
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	1.47500002		
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	15.47500004		
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	5.06752682		
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]	0.105392456	0.105392456 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0150332004	0.0150332004 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.000396153919	0.000396153919 ± 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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	120.014526	120.014526	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	120.014526	120.014526 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	164.369431	164.369431 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	25.0145245	25.0145245 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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]	0.0599999987
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

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Name	Input Value		
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		
k_MtrPosComputDelay_Sec_f32	0.000107		
k_NoofPoles_Uls_f32	3.223979		
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]	0.941177368	0.941177368 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.00319093326	0.00319093326 ± 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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	220	220	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	23.9609241	23.9609241 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-140.014786	-140.014786 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	-220	-220 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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
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]	0.00999999978
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0109999999
CDD_MtrCurr2_Volts_G_f32[0]	0.0104467999

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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	5.39541674		
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]	0.0844268799	0.0844268799 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0109564001	0.0109564001 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	-0.00786705781	-0.00786705781 ± 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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	125.010445	125.010445	✔
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	35.4740334 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	125.010445	125.010445 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	220	220 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	25.0104465	25.0104465 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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]	0.0439999998
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

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Name	Input Value		
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	2.66000009		
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]	0.0439999998	0.0439999998 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0886993408	0.0886993408 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.0064514312	0.0064514312 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	1.01070166	1.01070166 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	1.27350438	1.27350438 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	1.01070166	1.01070166 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	0.499389529	0.499389529 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	-160.010696	-160.010696	✔
CDD_MtrCurrDax_Amp_G_f32[1]	220	220	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	63.1328773	63.1328773 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	-200.010696	-200.010696 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	220	220 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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
CDD_MtrCurrQax_Amp_G_f32[0]	-180.010956
CDD_MtrCurrQax_Amp_G_f32[1]	125.010956
CDD_MtrElecPol_Cnt_G_s8	-1



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Name	Input Value		
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	3.5999999		
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		
Name	Actual Value	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.255462646	0.255462646 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0114660002	0.0114660002 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	-0.00544185005	-0.00544185005 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	1.55555558	1.55555558 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	1.01095641	1.01095641 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	0.354090363	0.354090363 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	2.01095629	2.01095629 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	-77.1181488	-77.1181335	✔
CDD_MtrCurrDax_Amp_G_f32[1]	63.0109558	63.0109558	✔
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	-53.3694801 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	63.0109558	63.0109558 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	220	220 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	125.010956	125.010956 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.74 (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
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]	0.00999999978
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

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Name	Input Value		
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		
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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	125.010445	125.010445	✔
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	35.4740334 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	125.010445	125.010445 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	220	220 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	25.0104465	25.0104465 ± 0.03	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.75 (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]	0.0439999998
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
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	6
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.79999995

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Name	Input Value		
tgt_Pim_ShCurrCal.EOLPhscrr1Gain_AmpspVolt_f32	101.099998		
tgt_Pim_ShCurrCal.EOLPhscrr2Gain_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]	0.0439999998	0.0439999998 ± 0.0000152587890625	✓
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0899963379	0.0899963379 ± 0.0000152587890625	✓
CDD_ElecPosDelayComp_Rad_G_f32	0.0145520996	0.0145520996 ± 0.0000152587890625	✓
CDD_MtrCurr1_Volts_G_f32[0]	1.01070166	1.01070166 ± 32	✓
CDD_MtrCurr1_Volts_G_f32[1]	1.27350438	1.27350438 ± 32	✓
CDD_MtrCurr2_Volts_G_f32[0]	1.01070166	1.01070166 ± 32	✓
CDD_MtrCurr2_Volts_G_f32[1]	0.499389529	0.499389529 ± 32	✓
CDD_MtrCurrDax_Amp_G_f32[0]	-160.010696	-160.010696	✓
CDD_MtrCurrDax_Amp_G_f32[1]	220	220	✓
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 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	63.1328773	63.1328773 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	-200.010696	-200.010696 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	220	220 ± 0.03	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0	✓	

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## Test Step 2.76 (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		
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	3.5999999		
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		
Name	Actual Value	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.255462646	0.255462646 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0114660002	0.0114660002 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	-0.00544185005	-0.00544185005 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	1.55555558	1.55555558 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	1.01095641	1.01095641 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	0.354090363	0.354090363 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	2.01095629	2.01095629 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	-77.1181488	-77.1181335	✔
CDD_MtrCurrDax_Amp_G_f32[1]	63.0109558	63.0109558	✔
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	-53.3694801 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	63.0109558	63.0109558 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	220	220 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	125.010956	125.010956 ± 0.03	✔

T ✓				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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## Test Case 3: PathTest

### Specification

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

CPU Cycles:

TC3.1 951 Cycles  
TC3.2 1008 Cycles  
TC3.3 974 Cycles

### Description

Vector Description:

TC3.1 ( ElecPosDelayComp\_Rad\_T\_f32 < 0.0f )==>True && ( ElecPosDelayComp\_Rad\_T\_f32 < 0.0f )==>False && (Phs2Curr\_Cnt\_T\_u16 > D\_ZERO\_CNT\_U16)==>False && ( 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 && ( MtrElecPol\_Cnt\_T\_s08 == D\_POSITIVEONE\_CNT\_S8 )==>True && MtrCurrFinalQax\_Amps\_T\_f32 = Limit\_m(MtrCurrQax\_Amps\_T\_f32, -D\_CURRDQMAX\_AMP\_F32, D\_CURRDQMAX\_AMP\_F32)==>True  
TC3.3 MtrCurrFinalDax\_Amps\_T\_f32 = Limit\_m(MtrCurrDax\_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	2.6500001		
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]	0.0774383545	0.0774383545 ± 0.0000152587890625	✔
CDD_CorrMtrPosElec_Rev_G_f32[1]	0	0 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	-0.0370337516	-0.0370337516 ± 0.0000152587890625	✔
CDD_MtrCurr1_Volts_G_f32[0]	0	0 ± 32	✔
CDD_MtrCurr1_Volts_G_f32[1]	0	0 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[0]	0	0 ± 32	✔
CDD_MtrCurr2_Volts_G_f32[1]	0	0 ± 32	✔
CDD_MtrCurrDax_Amp_G_f32[0]	34.4385643	34.4385643	✔
CDD_MtrCurrDax_Amp_G_f32[1]	-220	-220	✔
CDD_MtrCurrK1_Amps_G_f32[0]	38.9599991	38.9599991 ± 32	✔
CDD_MtrCurrK1_Amps_G_f32[1]	-220	-220 ± 32	✔

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Name	Actual Value	Expected Value	Result
CDD_MtrCurrK2_Amps_G_f32[0]	0	0 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	-220	-220 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	18.217207	18.217207 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	-220	-220 ± 0.03	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0	✓	

## Test Step 3.2 (Repeat Count = 1)

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_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	3.45799994		
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]	0.978179932	0.978179932 ± 0.0000152587890625	✔
CDD_ElecPosDelayComp_Rad_G_f32	0.386604398	0.386604398 ± 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	✔
CDD_MtrCurrDax_Amp_G_f32[1]	220	220	✔
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 ± 0.0000152587890625	✔
CDD_MtrCurrK2_Amps_G_f32[1]	0	0 ± 0.0000152587890625	✔
CDD_MtrCurrQax_Amp_G_f32[0]	220	220 ± 0.03	✔
CDD_MtrCurrQax_Amp_G_f32[1]	-220	-220 ± 0.03	✔

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Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 3.3 (Repeat Count = 1)

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]	-0.00800000038
CDD_MtrCurr2_Volts_G_f32[0]	2.0005095
CDD_MtrCurr2_Volts_G_f32[1]	4.00050974
CDD_MtrCurrDax_Amp_G_f32[0]	-200.000504
CDD_MtrCurrDax_Amp_G_f32[1]	198.000504
CDD_MtrCurrK1_Amps_G_f32[0]	-180.000504
CDD_MtrCurrK1_Amps_G_f32[1]	125.000511
CDD_MtrCurrK2_Amps_G_f32[0]	-200.000504
CDD_MtrCurrK2_Amps_G_f32[1]	198.000504
CDD_MtrCurrQax_Amp_G_f32[0]	-120.000511
CDD_MtrCurrQax_Amp_G_f32[1]	25.0005093
CDD_MtrElecPol_Cnt_G_s8	-1
CDD_Vecu_Volt_G_f32[0]	8.23999977
CDD_Vecu_Volt_G_f32[1]	7.5
CmMtrCurr_MtrCurr1OffDelta_VoltVltCnt_M_f32	2.09999998e-005
CmMtrCurr_MtrCurr2OffDelta_VoltVltCnt_M_f32	5.60000008e-005
MtrPos_CorrectedMtrPos_Rev_G_u0p16	5177
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
k_MtrCurrOffLoComOff_Cnt_u16	600
k_MtrPosComputDelay_Sec_f32	0.000199999995
k_NoofPoles_Uls_f32	4.125
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.79999995
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVlt_f32	60.0999985
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVlt_f32	77.0999985
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	0.0040000019 ± 0.0000152587890625	✓
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00101919996	0.00101919996 ± 0.0000152587890625	✓
CDD_ElecPosDelayComp_Rad_G_f32	0.0582037531	0.0582037494 ± 0.0000152587890625	✓
CDD_MtrCurr1_Volts_G_f32[0]	2.0005095	2.0005095 ± 32	✓
CDD_MtrCurr1_Volts_G_f32[1]	4.00050974	4.00050974 ± 32	✓
CDD_MtrCurr2_Volts_G_f32[0]	2.0005095	2.0005095 ± 32	✓
CDD_MtrCurr2_Volts_G_f32[1]	4.00050974	4.00050974 ± 32	✓
CDD_MtrCurrDax_Amp_G_f32[0]	-200.000504	-200.000504	✓
CDD_MtrCurrDax_Amp_G_f32[1]	198.000504	198.000504	✓
CDD_MtrCurrK1_Amps_G_f32[0]	-180.000504	-180.000504 ± 32	✓
CDD_MtrCurrK1_Amps_G_f32[1]	125.000511	125.000511 ± 32	✓
CDD_MtrCurrK2_Amps_G_f32[0]	-200.000504	-200.000504 ± 0.0000152587890625	✓
CDD_MtrCurrK2_Amps_G_f32[1]	198.000504	198.000504 ± 0.0000152587890625	✓
CDD_MtrCurrQax_Amp_G_f32[0]	-120.000511	-120.000511 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[1]	25.0005093	25.0005093 ± 0.03	✓

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓





# TEST DETAILS REPORT

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CmMtrCurr\_SCom\_SetMtrCurrCals



Project	CmMtrCurr1
Module	CmMtrCurr_MTRCURRPHASEAB_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	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

## Comments/Description/Specification

Name	Text
Module 'CmMtrCurr_MTRCURRPHASEAB_ON	*****Unit Test Information*****  Name of Tester:Chandrananth 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):130 Total CALS 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_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

# TEST DETAILS REPORT

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CmMtrCurr\_SCom\_SetMtrCurrCals



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 DETAILS REPORT

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CmMtrCurr\_SCom\_SetMtrCurrCals

## Test Case 1: Range Test

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

CPU Cycles:

TS1.1 494.00 Cycles  
TS1.2 494.00 Cycles  
TS1.3 494.00 Cycles  
TS1.4 494.00 Cycles  
TS1.5 494.00 Cycles  
TS1.6 494.00 Cycles  
TS1.7 494.00 Cycles  
TS1.8 494.00 Cycles  
TS1.9 494.00 Cycles  
TS1.10 494.00 Cycles  
TS1.11 494.00 Cycles  
TS1.12 494.00 Cycles  
TS1.13 494.00 Cycles  
TS1.14 494.00 Cycles  
TS1.15 494.00 Cycles  
TS1.16 494.00 Cycles  
TS1.17 494.00 Cycles  
TS1.18 494.00 Cycles  
TS1.19 494.00 Cycles  
TS1.20 494.00 Cycles  
TS1.21 494.00 Cycles  
TS1.22 494.00 Cycles  
TS1.23 494.00 Cycles

**Description** VECTOR DESCRIPTION:

TS1.1 All Min  
TS1.2 All Max  
TS1.3 ShCurrCalPtr1.EOLMtrCurrVcalCmd\_VoltCnts\_f32==>Min  
TS1.4 ShCurrCalPtr1.EOLMtrCurrVcalCmd\_VoltCnts\_f32==>Max  
TS1.5 ShCurrCalPtr1.EOLMtrCurrVcalCmd\_VoltCnts\_f32==>Pos  
TS1.6 ShCurrCalPtr1.EOLMtrCurrOffsetLo\_Volts\_f32==>Min  
TS1.7 ShCurrCalPtr1.EOLMtrCurrOffsetLo\_Volts\_f32==>Max  
TS1.8 ShCurrCalPtr1.EOLMtrCurrOffsetLo\_Volts\_f32==>Pos  
TS1.9 ShCurrCalPtr1.EOLPhscurr1Gain\_AmpspVolt\_f32==>Min  
TS1.10 ShCurrCalPtr1.EOLPhscurr1Gain\_AmpspVolt\_f32==>Max  
TS1.11 ShCurrCalPtr1.EOLPhscurr1Gain\_AmpspVolt\_f32==>Pos  
TS1.12 ShCurrCalPtr1.EOLPhscurr2Gain\_AmpspVolt\_f32==>Min  
TS1.13 ShCurrCalPtr1.EOLPhscurr2Gain\_AmpspVolt\_f32==>Max  
TS1.14 ShCurrCalPtr1.EOLPhscurr2Gain\_AmpspVolt\_f32==>Pos  
TS1.15 ShCurrCalPtr1.EOLMtrCurrOffsetLo\_Volts\_f32==>Min  
TS1.16 ShCurrCalPtr1.EOLMtrCurrOffsetLo\_Volts\_f32==>Max  
TS1.17 ShCurrCalPtr1.EOLMtrCurrOffsetLo\_Volts\_f32==>Pos  
TS1.18 ShCurrCalPtr1.EOLMtrCurrOffsetDiff\_Volts\_f32==>Min  
TS1.19 ShCurrCalPtr1.EOLMtrCurrOffsetDiff\_Volts\_f32==>Max  
TS1.20 ShCurrCalPtr1.EOLMtrCurrOffsetDiff\_Volts\_f32==>Pos  
TS1.21 ShCurrCalPtr1.EOLMtrCurrOffsetDiff\_Volts\_f32==>Min  
TS1.22 ShCurrCalPtr1.EOLMtrCurrOffsetDiff\_Volts\_f32==>Max  
TS1.23 ShCurrCalPtr1.EOLMtrCurrOffsetDiff\_Volts\_f32==>Pos

## Test Step 1.1 (Repeat Count = 1)

Name	Input Value	Actual Value	Expected Value	Result
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	0	0 ± 0.004	✓
tgt_ShCurrCalPtr.EOLMtrCurrOffsetLo_Volts_f32	1	1	1 ± 0.0003	✓
tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32	20	20	20 ± 0.002	✓
tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32	20	20	20 ± 0.002	✓
tgt_ShCurrCalPtr.EOLMtrCurrOffsetLo_Volts_f32	1	1	1 ± 0.0003	✓
tgt_ShCurrCalPtr.EOLMtrCurrOffsetDiff_Volts_f32	1	1	1 ± 0.0003	✓
tgt_ShCurrCalPtr.EOLMtrCurrOffsetDiff_Volts_f32	1	1	1 ± 0.0003	✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	✓

# TEST DETAILS REPORT

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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	✓	
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	125	125 ± 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	3	3 ± 0.0003	✓	
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	✓

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	✓	
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	47.09869	47.09868979 ± 0.002	✓	
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	41.77005	41.77004862 ± 0.002	✓	
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	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	✓

Test Step 1.4 (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	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	Expected Value	Result	
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	80000	80000 ± 0.004	✓	
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3	3 ± 0.0003	✓	
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	112.491722	112.4917227 ± 0.002	✓	

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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	✓

T				
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)

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	✔
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	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.18893766	1.188937664 ± 0.0003	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	✓

## Test Step 1.6 (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	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	✔
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	✔

T				
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

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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	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	✓

## Test Step 1.8 (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	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	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.72561789	1.725617826 ± 0.0003	✔

T				
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)

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	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	20	20 ± 0.002	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	89.4126968	89.41269803 ± 0.002	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.3337326	1.333732605 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3	3 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.4011538	2.401153803 ± 0.0003	✔

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T				
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)

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	✓	
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	125	125 ± 0.002	✓	
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	25.273819	25.27381909 ± 0.002	✓	
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.40841341	2.40841347 ± 0.0003	✓	
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.77820468	2.77820462 ± 0.0003	✓	
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✓	

T				
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	✓	
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	112.796776	112.7967792 ± 0.002	✓	
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.37339675	1.373396754 ± 0.0003	✓	
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3	3 ± 0.0003	✓	
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_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			

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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	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.50823259	1.508232653 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	54.7209549	54.72095644 ± 0.002	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	20	20 ± 0.002	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.4738692	1.473869264 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3	3 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	✓

Test Step 1.13 (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		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	✓
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32		95.4412079	95.44120693 ± 0.002	✓
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32		125	125 ± 0.002	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32		2.49868464	2.498684645 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32		2.88871336	2.888713241 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32		2.35530949	2.355309486 ± 0.0003	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	✓

Test Step 1.14 (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		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	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32		2.95817947	2.958179414 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32		50.3931274	50.39312637 ± 0.002	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32		31.5	31.5 ± 0.002	✔
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		1.76653433	1.766534388 ± 0.0003	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	✓



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## 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	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	53.5743561	53.57435536 ± 0.002	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	31.6057796	31.60577965 ± 0.002	✔
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	✔

## T

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	✓

## Test Step 1.16 (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	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	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	35.7947083	35.79470646 ± 0.002	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	30.4687443	30.46874416 ± 0.002	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3	3 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.80689704	1.806896985 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✔

## T

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	✔

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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	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	✓

## Test Step 1.18 (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	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	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	70.5773849	70.57738435 ± 0.002	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	25.7233143	25.72331345 ± 0.002	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.69007492	1.69007498 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1	1 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.51974046	1.519740403 ± 0.0003	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	✓

## Test Step 1.19 (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	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	✓
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	117.990822	117.9908197 ± 0.002	✓
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	122.058647	122.0586476 ± 0.002	✓
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	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	✓

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## Test Step 1.20 (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	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	✔
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.94407332	1.944073379 ± 0.0003	✔

T				
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	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	100.911003	100.9110069 ± 0.002	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	80.8725357	80.87253261 ± 0.002	✔
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	✔

T				
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	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	27.8245468	27.82454669 ± 0.002	✔

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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	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	✓

## Test Step 1.23 (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	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		
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	✔
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.62973619	1.629736185 ± 0.0003	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	86.757637	86.75763345 ± 0.002	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	85.5710297	85.57103252 ± 0.002	✔
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	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	✓

# TEST DETAILS REPORT

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CmMtrCurr\_Init



Project	CmMtrCurr1
Module	CmMtrCurr_MTRCURRPHASEAB_ON
Test Object	CmMtrCurr_Init

## 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\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	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

## Comments/Description/Specification

Name	Text
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# TEST DETAILS REPORT

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CmMtrCurr\_Init

Module 'CmMtrCurr_MTRCURRPHASEAB_ON	*****Unit Test Information*****  Name of Tester:Chandrananth 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 2.7/d/ 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 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 developer 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 DETAILS REPORT

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CmMtrCurr\_Init



## Test Case 1: Metrics Test

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

CPU Cycles:

TS1.1 526.00 Cycles  
TS1.2 602.00 Cycles

**Description** VECTOR DESCRIPTION:

TS1.1 Shortest Execution Path==> ((Rte\_Pim\_ShCurrCal()->EOLMtrCurrVcalCmd\_VoltCnts\_f32) >= D\_MINVCALCMD\_CNT\_F32) = True  
TS1.2 Longest Execution Path==> ((Rte\_Pim\_ShCurrCal()->EOLMtrCurrVcalCmd\_VoltCnts\_f32) >= D\_MINVCALCMD\_CNT\_F32) = False

### Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.1176		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrFiltFc_Hz_f32	102.3828		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	30761.59782		
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	0.723786237 ± 0.000009	✔
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	9.75241928e-005	9.75242E-05 ± 0.00001	✔
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	9.75241928e-005	9.75242E-05 ± 0.00001	✔

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

### Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.0588		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrFiltFc_Hz_f32	51.1914		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	9601.021615		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.408979118		
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	0.474439572 ± 0.000009	✓
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	0	0 ± 0.00001	✓
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	0	0 ± 0.00001	✓

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

# TEST DETAILS REPORT

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CmMtrCurr\_Init



## Test Case 2: Range Test

Specification	Performance Metrics : [With "None" Instrumentation and WithPS Environment]
	CPU Cycles:  TS2.1 All Min TS2.2 All Max 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==>Min 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==>Min TS2.10 Rte_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32==>Max TS2.11 Rte_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32==>Pos TS2.12 k_CurrCorrErrFiltFc_Hz_f32==>Min TS2.13 k_CurrCorrErrFiltFc_Hz_f32==>Max TS2.14 k_CurrCorrErrFiltFc_Hz_f32==>Pos/Default TS2.15 CmMtrCurr_CurrCorrDiagKSV_M_str.K==>Min TS2.16 CmMtrCurr_CurrCorrDiagKSV_M_str.K==>Max TS2.17 CmMtrCurr_CurrCorrDiagKSV_M_str.K==>Pos
Description	VECTOR DESCRIPTION:  TS2.1 All Min TS2.2 All Max 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==>Min 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==>Min TS2.10 Rte_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32==>Max TS2.11 Rte_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32==>Pos 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	✓

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

### Test Step 2.2 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.99998474		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrFiltFc_Hz_f32	882.5424		
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	0.0000375 ± 0.00001	✔
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	3.75000018e-005	0.0000375 ± 0.00001	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓



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## Test Step 2.3 (Repeat Count = 1) ✓

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.0588		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrFiltFc_Hz_f32	51.1914		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	9601.021615		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.408979118		
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	0.474439572 ± 0.000009	✔
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	0	0 ± 0.00001	✔
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	0	0 ± 0.00001	✔

## T ✓

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.4 (Repeat Count = 1) ✓

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.1176		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrFiltFc_Hz_f32	102.3828		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	30761.59782		
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	0.723786237 ± 0.000009	✔
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	9.75241928e-005	9.75242E-05 ± 0.00001	✔
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	9.75241928e-005	9.75242E-05 ± 0.00001	✔

## T ✓

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.5 (Repeat Count = 1) ✓

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.1764		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrFiltFc_Hz_f32	153.5742		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	39424.32569		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.5		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.78877455		
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	0.854832977 ± 0.000009	✔
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	6.34126263e-005	0.0000634126254834788 ± 0.00001	✔
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	4.53723587e-005	4.53724E-05 ± 0.00001	✔

## T ✓

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.6 (Repeat Count = 1) ✓

Name	Input Value
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.2352
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
k_CurrCorrErrFiltFc_Hz_f32	204.7656
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	72006.21012
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.8079
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1

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Name	Input Value		
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	0.923705957 ± 0.000009	✓
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	3.89952475e-005	3.89952E-05 ± 0.00001	✓
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	1.38876912e-005	1.38877E-05 ± 0.00001	✓

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## 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	255.957		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	13553.04016		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.6534		
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	0.95990287 ± 0.000009	✓
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	0	0 ± 0.00001	✓
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	0	0 ± 0.00001	✓

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.8 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.3528		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrFiltFc_Hz_f32	307.1484		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	66035.03754		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.3852		
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	0.978926535 ± 0.000009	✓
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	3.61202183e-005	3.61202E-05 ± 0.00001	✓
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	3.78586883e-005	0.0000378586897672723 ± 0.00001	✓

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.9 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.4116		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrFiltFc_Hz_f32	358.3398		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	0		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.9478		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.518459141		
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	0.988924621 ± 0.000009	✓
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	0	0 ± 0.00001	✓
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	0	0 ± 0.00001	✓

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T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.10 (Repeat Count = 1)

Name	Input Value			
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.4704			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
k_CurrCorrErrFiltFc_Hz_f32	409.5312			
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	80000			
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.2547			
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.858933568			
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	0.994179219 ± 0.000009	✓	
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	1.56837486e-005	1.56838E-05 ± 0.00001	✓	
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	3.57366698e-005	3.57367E-05 ± 0.00001	✓	

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.11 (Repeat Count = 1)

Name	Input Value			
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.5292			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
k_CurrCorrErrFiltFc_Hz_f32	460.7226			
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	49634.3654			
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.1954			
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.820237339			
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	0.996940828 ± 0.000009	✓	
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	2.40841182e-005	2.40841E-05 ± 0.00001	✓	
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	5.68202558e-005	5.68203E-05 ± 0.00001	✓	

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.12 (Repeat Count = 1)

Name	Input Value			
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.588			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
k_CurrCorrErrFiltFc_Hz_f32	0			
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	7272.27272			
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.5301			
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.6258			
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	✓	

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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## Test Step 2.13 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.6468		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrFiltFc_Hz_f32	882.5424		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	14544.54544		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.6692		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.7736		
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	✔

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.14 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.7056		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrFiltFc_Hz_f32	1.79534292		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	21816.81816		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.8083		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.9214		
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	8.28856E-05 ± 0.00001	✔
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	8.8069668e-005	8.80697E-05 ± 0.00001	✔

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## 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	767.871		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	65450.45448		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.6429		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.8082		
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	0.999935533 ± 0.000009	✔
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	4.03801641e-005	4.03802E-05 ± 0.00001	✔
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	4.29057363e-005	4.29057E-05 ± 0.00001	✔

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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## Test Step 2.16 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.99998474		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrFiltFc_Hz_f32	819.0624		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	72722.7272		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.782		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.956		
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	0.999966119 ± 0.000009	✔
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	3.82548933e-005	3.82549E-05 ± 0.00001	✔
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	4.0647541e-005	4.06475E-05 ± 0.00001	✔

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.17 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.58478		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrFiltFc_Hz_f32	870.2538		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	79994.99992		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.9211		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.9787		
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	0.999982193 ± 0.000009	✔
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	3.65160304e-005	3.6516E-05 ± 0.00001	✔
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	3.72360773e-005	3.72361E-05 ± 0.00001	✔

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## 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 If ((Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32) >= D\_MINVCALCMD\_CNT\_F32)==>True  
TS3.2 If ((Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32) >= D\_MINVCALCMD\_CNT\_F32)==>False

## Test Step 3.1 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.1176		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrFiltFc_Hz_f32	102.3828		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	30761.59782		
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	0.723786237 ± 0.000009	✔
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	9.75241928e-005	9.75242E-05 ± 0.00001	✔
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	9.75241928e-005	9.75242E-05 ± 0.00001	✔

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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CmMtrCurr\_Init



Test Step 3.2 (Repeat Count = 1)				✓
Name		Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32		0.4116		
Rte_Inst_Sa_CmMtrCurr		tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrFiltFc_Hz_f32		358.3398		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32		0		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32		2.9478		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32		2.518459141		
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	0.988924621 ± 0.000009		✓
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	0	0 ± 0.00001		✓
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	0	0 ± 0.00001		✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0		✓

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CmMtrCurrTempOffset\_Scom\_Get



Project	CmMtrCurr1
Module	CmMtrCurr_MTRCURRPHASEAB_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\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	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

## Comments/Description/Specification

Name	Text
Module 'CmMtrCurr_MTRCURRPHASEAB_ON	*****Unit Test Information*****  Name of Tester:Chandrananth 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:Nxteer 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 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 developer 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

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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	\$(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



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CmMtrCurrTempOffset\_Scom\_Get



## Test Case 1: Range Test

### Specification

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

CPU Cycles:

TS1.1 160.00 Cycles  
TS1.2 133.00 Cycles  
TS1.3 133.00 Cycles  
TS1.4 133.00 Cycles  
TS1.5 133.00 Cycles  
TS1.6 133.00 Cycles  
TS1.7 133.00 Cycles  
TS1.8 133.00 Cycles  
TS1.9 133.00 Cycles  
TS1.10 133.00 Cycles  
TS1.11 133.00 Cycles  
TS1.12 133.00 Cycles  
TS1.13 133.00 Cycles  
TS1.14 133.00 Cycles  
TS1.15 133.00 Cycles  
TS1.16 133.00 Cycles  
TS1.17 133.00 Cycles

### Description

Vector Description:

TS1.1 All Min  
TS1.2 All Max  
TS1.3 Rte\_Pim\_CurrTempOffset.CurrTempOffsetX\_DegC\_s10p5==>Min  
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.CurrOffsetY1\_Volts\_s4p11==>Min  
TS1.9 Rte\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11==>Max  
TS1.10 Rte\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11==>Pos  
TS1.11 Rte\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11==>Zero  
TS1.12 Rte\_Pim\_CurrTempOffset.CurrOffsetY1\_Volts\_s4p11==>Neg  
TS1.13 Rte\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11==>Min  
TS1.14 Rte\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11==>Max  
TS1.15 Rte\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11==>Pos  
TS1.16 Rte\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11==>Zero  
TS1.17 Rte\_Pim\_CurrTempOffset.CurrOffsetY2\_Volts\_s4p11==>Neg

## Test 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

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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	✓
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	✓
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	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]	-1600	-1600	✓
tgt_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]	-53	-53	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]	-53	-53	✓
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]	-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	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]	-53	-53	✓
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	✓

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	

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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]	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_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.Pim_CurrTempOffset	tgt_Pim_CurrTempOffset

Name	Actual Value	Expected Value	Result
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]	4800	4800	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]	53	53	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]	53	53	✓
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	✓

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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	✓
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	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]	53	53	✓
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	✓

Test Step 1.3 (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]	-14	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]	-16	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	-18	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]	-20	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]	-23	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]	-25	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]	-27	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]	-29	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]	-31	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]	-33	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]	-35	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]	-37	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]	-39	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]	-41	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]	-43	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]	-45	
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	

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Name	Input Value		
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	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	✓
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	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]	-1600	-1600	✓
tgt_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	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]	-25	-25	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]	-27	-27	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]	-29	-29	✓
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]	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]	20	20	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]	23	23	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]	25	25	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]	27	27	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]	29	29	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]	31	31	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]	33	33	✓

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

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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]	-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
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]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]	4800	4800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]	4800	4800	✓
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	✓
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]	35	35	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]	37	37	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]	39	39	✓



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Name	Actual Value	Expected Value	Result
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 1.5 (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]	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		
tgt_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	Result
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]	320	320	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]	480	480	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]	640	640	✔

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Name	Actual Value	Expected Value	Result
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]	800	800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	960	960	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]	1280	1280	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]	1440	1440	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]	1600	1600	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]	2080	2080	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]	2400	2400	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]	2560	2560	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]	2720	2720	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]	3040	3040	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]	3360	3360	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]	3680	3680	✓
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	✓
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	✓
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	✓
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	✓
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	✓

Test Step 1.6 (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]	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	



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Name	Input Value		
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		
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_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]	0	0	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]	0	0	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]	0	0	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]	0	0	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	0	0	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]	0	0	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]	0	0	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]	0	0	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]	0	0	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]	0	0	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]	0	0	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]	0	0	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]	0	0	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]	0	0	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]	0	0	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]	0	0	✓
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]	-47	-47	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]	-49	-49	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]	-51	-51	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]	-53	-53	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]	2	2	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]	4	4	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]	6	6	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]	8	8	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]	10	10	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]	12	12	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]	14	14	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]	16	16	✓

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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	✓

## 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	Result
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[8]	-896	-896	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]	-800	-800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]	-704	-704	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]	-640	-640	✓

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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	✓
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	✓
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	✓
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	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]	27	27	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]	29	29	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]	31	31	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]	33	33	✓

## Test Step 1.8 (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]	-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

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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	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]	-1120	-1120	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]	-960	-960	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	-800	-800	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]	-640	-640	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]	-480	-480	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]	-160	-160	✓
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	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]	-53	-53	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]	-53	-53	✓
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	✓

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## Test Step 1.9 (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]	-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]	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]	-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		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]	-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	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]	-896	-896	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]	-672	-672	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]	-448	-448	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	-224	-224	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]	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	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]	2240	2240	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]	2464	2464	✔
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]	53	53	✔
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]	53	53	✔
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]	53	53	✔

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Name	Actual Value	Expected Value	Result
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]	-14	-14	✓
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	✓
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]			



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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
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]	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]	96	96	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]	192	192	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]	288	288	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]	416	416	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	512	512	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]	608	608	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]	736	736	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]	832	832	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]	928	928	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]	1056	1056	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]	1152	1152	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]	1248	1248	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]	1376	1376	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]	1472	1472	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]	1568	1568	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]	1760	1760	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]	0	0	✓



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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	✓

## Test Step 1.12 (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]	-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]	-14
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]	-16
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	-18
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]	-20
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]	-23
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]	-25
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]	-27
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]	-29
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]	-31
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]	-33
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]	-35
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]	-37
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]	-39
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]	-41
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]	-43
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]	-45
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

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Name	Input Value		
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	Result
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]	-928	-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	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]	2688	2688	✓
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	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]	-25	-25	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]	-27	-27	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]	-29	-29	✓
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	-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	✓
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	✓

Test Step 1.13 (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]	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	

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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]	-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		
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]	0	0	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]	320	320	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]	640	640	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]	960	960	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	1600	1600	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]	1280	1280	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]	1920	1920	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]	2240	2240	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]	2560	2560	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]	2880	2880	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]	3200	3200	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]	3520	3520	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]	3840	3840	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]	4160	4160	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]	4480	4480	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]	4800	4800	✓
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	✓
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]	-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	✓

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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	✓
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	✓

## Test Step 1.14 (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]	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]	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	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]	544	544	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]	864	864	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]	1184	1184	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	1504	1504	✔

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Name	Actual Value	Expected Value	Result
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]	1824	1824	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]	2144	2144	✓
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	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]	3744	3744	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]	4064	4064	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]	4384	4384	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]	4480	4480	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]	4704	4704	✓
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	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]	53	53	✓
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	✓
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	✓

Test Step 1.15 (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]	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	

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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]	-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	Result
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]	32	32	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]	352	352	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]	672	672	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]	992	992	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	1312	1312	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]	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	4512	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]	4768	4768	✓
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	✓
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	✓
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	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]	27	27	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]	29	29	✓



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Name	Actual Value	Expected Value	Result
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]	31	31	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]	33	33	✓

## Test Step 1.16 (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]	-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]	-14		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]	-16		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	-18		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]	-20		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]	-23		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]	-25		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]	-27		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]	-29		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]	-31		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]	-33		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]	-35		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]	-37		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]	-39		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]	-41		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]	-43		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]	-45		
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.Pim_CurrTempOffset	tgt_Pim_CurrTempOffset		
Name	Actual Value	Expected Value	Result
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]	-1184	-1184	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]	-928	-928	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]	480	480	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]	960	960	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	1440	1440	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]	1920	1920	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]	2240	2240	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]	2400	2400	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]	2496	2496	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]	3552	3552	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]	3648	3648	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]	3936	3936	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]	4256	4256	✔
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]	4544	4544	✔

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Name	Actual Value	Expected Value	Result
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]	4576	4576	✓
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]	4736	4736	✓
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	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]	-25	-25	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]	-27	-27	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]	-29	-29	✓
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]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]	0	0	✓
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)		✓
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	



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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
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]	-45
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	tgt_Pim_CurrTempOffset

Name	Actual Value	Expected Value	Result
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]	0	0	✓
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	✓
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	✓
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	✓

# TEST DETAILS REPORT

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CmMtrCurr\_SCom\_ReadMtrCurrCals



Project	CmMtrCurr1
Module	CmMtrCurr_MTRCURRPHASEAB_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\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	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

## Comments/Description/Specification

Name	Text
Module 'CmMtrCurr_MTRCURRPHASEAB_ON	*****Unit Test Information*****  Name of Tester:Chandrananth 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):130 Total CALS 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_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

# TEST DETAILS REPORT

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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

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CmMtrCurr\_SCom\_ReadMtrCurrCals



## Test Case 1: Range Test

### Specification

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

CPU Cycles:

TS1.1 13.00 Cycles  
TS1.2 13.00 Cycles  
TS1.3 13.00 Cycles  
TS1.4 13.00 Cycles  
TS1.5 13.00 Cycles  
TS1.6 13.00 Cycles  
TS1.7 13.00 Cycles  
TS1.8 13.00 Cycles  
TS1.9 13.00 Cycles  
TS1.10 13.00 Cycles  
TS1.11 13.00 Cycles  
TS1.12 13.00 Cycles  
TS1.13 13.00 Cycles  
TS1.14 13.00 Cycles  
TS1.15 13.00 Cycles  
TS1.16 13.00 Cycles  
TS1.17 13.00 Cycles  
TS1.18 13.00 Cycles  
TS1.19 13.00 Cycles  
TS1.20 13.00 Cycles  
TS1.21 13.00 Cycles  
TS1.22 13.00 Cycles  
TS1.23 13.00 Cycles

### Description

VECTOR DESCRIPTION:

TS1.1 All Min  
TS1.2 All Max  
TS1.3 Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32==>Min  
TS1.4 Rte\_Pim\_ShCurrCal.EOLMtrCurrVcalCmd\_VoltCnts\_f32==>Max  
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  
TS1.8 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==>Pos  
TS1.12 Rte\_Pim\_ShCurrCal.EOLPhscurr2Gain\_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==>Min  
TS1.16 Rte\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32==>Max  
TS1.17 Rte\_Pim\_ShCurrCal.EOLMtrCurr2OffsetLo\_Volts\_f32==>Pos  
TS1.18 Rte\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32==>Min  
TS1.19 Rte\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32==>Max  
TS1.20 Rte\_Pim\_ShCurrCal.EOLMtrCurr1OffsetDiff\_Volts\_f32==>Pos  
TS1.21 Rte\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Min  
TS1.22 Rte\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Max  
TS1.23 Rte\_Pim\_ShCurrCal.EOLMtrCurr2OffsetDiff\_Volts\_f32==>Pos

## 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	✓	
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32	1	1 ± 0.0003	✓	
tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32	20	20 ± 0.002	✓	
tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32	20	20 ± 0.002	✓	
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32	1	1 ± 0.0003	✓	
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32	1	1 ± 0.0003	✓	
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32	1	1 ± 0.0003	✓	

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

# TEST DETAILS REPORT

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CmMtrCurr\_SCom\_ReadMtrCurrCals



## 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		
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	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## 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	✔
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32	2.33158755	2.331587493 ± 0.0003	✔
tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32	103.155792	103.1557935 ± 0.002	✔
tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32	122.043892	122.0438949 ± 0.002	✔
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32	3	3 ± 0.0003	✔
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32	2.93539929	2.935399234 ± 0.0003	✔
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32	1.9743942	1.974394143 ± 0.0003	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## 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	✔
tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32	25.327858	25.32785773 ± 0.002	✔

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Name	Actual Value	Expected Value	Result
tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32	118.903542	118.9035439 ± 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	✓

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 1.5 (Repeat Count = 1)

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		
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	✔
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32	3	3 ± 0.0003	✔
tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32	74.9096909	74.90968764 ± 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	1.93573523	1.935735285 ± 0.0003	✔
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32	2.73712897	2.737128913 ± 0.0003	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## 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	✔
tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32	100.245132	100.2451305 ± 0.002	✔
tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32	108.996132	108.9961307 ± 0.002	✔
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32	1.6675961	1.667596102 ± 0.0003	✔
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32	1.72209537	1.72209537 ± 0.0003	✔
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32	2.57975531	2.579755306 ± 0.0003	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 1.7 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
ShCurrCalPtr	tgt_ShCurrCalPtr

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Name	Input Value		
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	✔
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32	1.40227902	1.40227896 ± 0.0003	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 1.8 (Repeat Count = 1)

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		
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	✔
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32	2.65990663	2.659906507 ± 0.0003	✔
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32	1.38892531	1.388925314 ± 0.0003	✔
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## 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	✔
tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32	20	20 ± 0.002	✔
tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32	124.879395	124.8793916 ± 0.002	✔
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32	2.06673265	2.066732585 ± 0.0003	✔
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32	2.70938802	2.709388077 ± 0.0003	✔
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32	1.0934633	1.093463361 ± 0.0003	✔

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T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## 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	✓	
tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32	125	125 ± 0.002	✓	
tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32	47.3948555	47.39485669 ± 0.002	✓	
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	✓	

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 1.11 (Repeat Count = 1)

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	✓	
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	✓	
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✓	

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## 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			



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Name	Input Value		
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	✔
tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32	115.94371	115.9437072 ± 0.002	✔
tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32	20	20 ± 0.002	✔
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32	2.88996196	2.889962077 ± 0.0003	✔
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32	3	3 ± 0.0003	✔
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32	1.73244011	1.732440114 ± 0.0003	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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	✔
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32		3	3 ± 0.0003	✔
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32		3	3 ± 0.0003	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 1.14 (Repeat Count = 1)				✔
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	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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## 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	✔
tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32	33.0467796	33.04677856 ± 0.002	✔
tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32	93.4100723	93.41007292 ± 0.002	✔
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32	1	1 ± 0.0003	✔
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32	2.18333864	2.183338583 ± 0.0003	✔
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	✔

## T

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## 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	✔

## T

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 1.17 (Repeat Count = 1)

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	✔

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CmMtrCurr\_SCom\_ReadMtrCurrCals

Name	Actual Value	Expected Value	Result
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32	1.76380563	1.763805687 ± 0.0003	✓
tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32	104.513512	104.5135137 ± 0.002	✓
tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32	31.6322842	31.63228405 ± 0.002	✓
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32	2.5	2.5 ± 0.0003	✓
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32	1.80439651	1.804396451 ± 0.0003	✓
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32	1.69596767	1.695967615 ± 0.0003	✓

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## 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	✔
tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32	93.8062134	93.80621099 ± 0.002	✔
tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32	50.8012199	50.80121827 ± 0.002	✔
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	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 1.19 (Repeat Count = 1)

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	✔
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32	1.56132317	1.561323225 ± 0.0003	✔
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32	3	3 ± 0.0003	✔
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32	2.65340924	2.653409302 ± 0.0003	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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Test Step 1.20 (Repeat Count = 1)				
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	✓	

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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	✓	
tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32	37.7828598	37.78285849 ± 0.002	✓	
tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32	52.9608765	52.96087492 ± 0.002	✓	
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32	3	3 ± 0.0003	✓	
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32	2.29848146	2.298481524 ± 0.0003	✓	
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32	1	1 ± 0.0003	✓	

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 1.22 (Repeat Count = 1)				
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	✓	

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Name	Actual Value	Expected Value	Result
tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32	51.3315582	51.33155894 ± 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	✓

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 1.23 (Repeat Count = 1)

Name	Input Value		
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	1.5		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32	41990	41989.99916 ± 0.004	✔
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32	2.76588583	2.76588577 ± 0.0003	✔
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	✔

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

# TEST DETAILS REPORT

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CmMtrCurr\_SCom\_CalGain



Project	CmMtrCurr1
Module	CmMtrCurr_MTRCURRPHASEAB_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 ✓
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	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

## Comments/Description/Specification

Name	Text
------	------

# TEST DETAILS REPORT

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CmMtrCurr\_SCom\_CalGain

Module  
'CmMtrCurr\_MTRCURRPHASEAB\_ON

\*\*\*\*\*Unit Test Information\*\*\*\*\*

Name of Tester:Chandrananth 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 2.7/d/ 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  
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 developer 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

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CmMtrCurr\_SCom\_CalGain



## Test Case 1: Metrics Test

### Specification

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

CPU Cycles:

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\_Igc == TRUE) = False)  
TS1.2 "Longest Execution Path==> ((Abs\_f32\_m(MtrVel\_MtrRadpS\_T\_f32) < k\_MaxCurrOffMtrVel\_RadpS\_f32) = True && (CmMtrCurr\_CurrentGainSvc\_Cnt\_M\_Igc == TRUE) = True);  
(VehSpd\_Kph\_T\_f32 < FLT\_EPSILON) = True && (VhSpdValid\_T\_Cnt\_Igc == 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_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	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	✔

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	✓

## Test Step 1.2 (Repeat Count = 1)

Name	Input Value
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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



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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	✓

T				
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 Case 2: Range Test

## Specification

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

CPU Cycles:

TC2.1 778.00 Cycles  
TC2.2 779.00 Cycles  
TC2.3 779.00 Cycles  
TC2.4 779.00 Cycles  
TC2.5 779.00 Cycles  
TC2.6 779.00 Cycles  
TC2.7 779.00 Cycles  
TC2.8 820.00 Cycles  
TC2.9 781.00 Cycles  
TC2.10 788.00 Cycles  
TC2.11 777.00 Cycles  
TC2.12 790.00 Cycles  
TC2.13 777.00 Cycles  
TC2.14 779.00 Cycles  
TC2.15 779.00 Cycles  
TC2.16 779.00 Cycles  
TC2.17 779.00 Cycles  
TC2.18 779.00 Cycles  
TC2.19 820.00 Cycles  
TC2.20 837.00 Cycles  
TC2.21 819.00 Cycles  
TC2.22 1096.00 Cycles  
TC2.23 819.00 Cycles  
TC2.24 818.00 Cycles  
TC2.25 818.00 Cycles  
TC2.26 837.00 Cycles  
TC2.27 819.00 Cycles  
TC2.28 824.00 Cycles  
TC2.29 819.00 Cycles  
TC2.30 818.00 Cycles  
TC2.31 818.00 Cycles  
TC2.32 818.00 Cycles  
TC2.33 831.00 Cycles  
TC2.34 832.00 Cycles  
TC2.35 819.00 Cycles  
TC2.36 824.00 Cycles  
TC2.37 819.00 Cycles  
TC2.38 818.00 Cycles  
TC2.39 818.00 Cycles  
TC2.40 824.00 Cycles  
TC2.41 790.00 Cycles  
TC2.42 895.00 Cycles  
TC2.43 888.00 Cycles  
TC2.44 789.00 Cycles  
TC2.45 790.00 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  
TS2.6MtrVel\_MtrRadpS\_f32==>Zero  
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==>Zero  
TS2.18k\_MaxCurrOffMtrVel\_RadpS\_f32==>Neg  
TS2.19k\_MaxCurrOffMtrVel\_RadpS\_f32==>Default  
TS2.20k\_CurrGainNumerator\_Amps\_f32==>Min  
TS2.21k\_CurrGainNumerator\_Amps\_f32==>Max  
TS2.22k\_CurrGainNumerator\_Amps\_f32==>Pos  
TS2.23k\_CurrGainNumerator\_Amps\_f32==>Default  
TS2.24FiltMtrCurr1\_Volts\_M\_f32==>Min  
TS2.25FiltMtrCurr1\_Volts\_M\_f32==>Max  
TS2.26FiltMtrCurr1\_Volts\_M\_f32==>Pos  
TS2.27FiltMtrCurr2\_Volts\_M\_f32==>Min  
TS2.28FiltMtrCurr2\_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  
TS2.35MtrCurr2OffsetZero\_Volts\_M\_f32==>Pos  
TS2.36k\_MtrCurrEOLMinGain\_AmpspVolts\_f32==>Min  
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

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## Test Step 2.1 (Repeat Count = 1) ✓

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	0		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	34	34	✓
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	20	20	✓
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	20	20	✓

T ✓				
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	✓

## Test Step 2.2 (Repeat Count = 1) ✓

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_VehSpd_Kph_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_data		
k_CurrGainNumerator_Amps_f32	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_Igc_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	✓

T ✓				
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	✓

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## Test Step 2.3 (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_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	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	✔

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	✓

## Test Step 2.4 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_data		
k_CurrGainNumerator_Amps_f32	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_Igc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	34	34	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	20	20	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	89.4126968	89.4126968	✔

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	✓

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## Test Step 2.5 (Repeat Count = 1)

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_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	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	✔

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	✓

## Test Step 2.6 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_data		
k_CurrGainNumerator_Amps_f32	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_Igc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	34	34	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	53	53	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	112.796776	112.796776	✔

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	✓

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## Test Step 2.7 (Repeat Count = 1) ✓

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	0		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	34	34	✓
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	115.94371	115.94371	✓
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	20	20	✓

T ✓				
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	✓

## Test Step 2.8 (Repeat Count = 1) ✓

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_VehSpd_Kph_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	20	20	✓
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	112.832649	112.832649	✓
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	125	125	✓

T ✓				
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	✓

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## Test Step 2.9 (Repeat Count = 1)

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		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	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	Expected Value	Result
CmMtrCurr_SCom_CalGain()	34	34	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	64.1647263	64.1647263	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	31	31	✔

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	✓

## Test Step 2.10 (Repeat Count = 1)

Name	Input Value
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_VehSpd_Kph_f32_data
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_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_Igc_data	1

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## Test Step 2.11 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	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_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	18.8776169		
k_MaxCurrOffMtrVel_RadpS_f32	-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	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	30.4687443	30.4687443	✔

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	✓

## Test Step 2.12 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_data		
k_CurrGainNumerator_Amps_f32	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_Igc_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	✔

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	✓



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## 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		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	34	34	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	93.8062134	93.8062134	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	25.7233143	25.7233143	✔

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	✓

## Test Step 2.14 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_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	✔

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	✓

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## Test Step 2.15 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	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_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	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	✔
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	✓
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc	1	✓

## Test Step 2.16 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_data		
k_CurrGainNumerator_Amps_f32	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_Igc_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	✔

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	✓

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## Test Step 2.17 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1		
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	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	85.930069		
k_MaxCurrOffMtrVel_RadpS_f32	0		
k_MtrCurrEOLMaxGain_AmpspVolts_f32	72.9535217		
k_MtrCurrEOLMinGain_AmpspVolts_f32	71.5293884		
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	0		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	34	34	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	37.4088211	37.4088211	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	20.5383587	20.5383587	✔

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	✓

## Test Step 2.18 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_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	✔

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	✓

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## Test Step 2.19 (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_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	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	✔

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	✓

## Test Step 2.20 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_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_Igc(data)	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_Igc_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	✔

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	✓

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Test Step 2.21 (Repeat Count = 1)				
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	1			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_SCom_CalGain()	20	20	✓	
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	62.5700874	62.5700874	✓	
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	66.9764252	66.9764252	✓	

T				
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	✓

Test Step 2.22 (Repeat Count = 1)				
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_data			
k_CurrGainNumerator_Amps_f32	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_Igc_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	✓	

T				
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	✓

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## Test Step 2.23 (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_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	45		
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	✔

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	✓

## Test Step 2.24 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	1		
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_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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_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	✔

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	✓
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	✓

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## Test Step 2.25 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1		
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	5		
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	2.29574561		
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	29.8067837		
k_MaxCurrOffMtrVel_RadpS_f32	7.63191891		
k_MtrCurrEOLMaxGain_AmpspVolts_f32	83.0960236		
k_MtrCurrEOLMinGain_AmpspVolts_f32	122.058647		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	37.4088211		
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	7		
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	37.4088211	37.4088211	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	122.311699	122.311699	✔

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	✓

## Test Step 2.26 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	1		
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_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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_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	✔

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	✓

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## Test Step 2.27 (Repeat Count = 1)

Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_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	89.4126968	89.4126968	✓	

T				
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	✓

## Test Step 2.28 (Repeat Count = 1)

Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	1			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_SCom_CalGain()	20	20	✓	
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	25.327858	25.327858	✓	
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	25.273819	25.273819	✓	

T				
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	✓



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## Test Step 2.29 (Repeat Count = 1)

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_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	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	74.9096909	74.9096909	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	112.796776	112.796776	✔

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	✓

## Test Step 2.30 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_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	✔

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	✓

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## Test Step 2.31 (Repeat Count = 1)

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_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	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	2.29999995		
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	✔

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	✓

## Test Step 2.32 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	20	20	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	54.4717789	54.4717789	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	31	31	✔

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	✓

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## 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	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	31.6057796	31.6057796	✔

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	✓

## Test Step 2.34 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	20	20	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	125	125	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	30.4687443	30.4687443	✔

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	✓

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## Test Step 2.35 (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	2.88936687		
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	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	✔

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	✓

## Test Step 2.36 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	20	20	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	115.94371	115.94371	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	28.1946735	28.1946735	✔

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	✓

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## Test Step 2.37 (Repeat Count = 1)

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_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	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	112.832649	112.832649	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	27.0576382	27.0576382	✔

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	✓

## Test Step 2.38 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_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	✔

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	✓

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## Test Step 2.39 (Repeat Count = 1)

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	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	28.1946735	28.1946735	✔

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	✓

## Test Step 2.40 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_VehSpd_Kph_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_data		
k_CurrGainNumerator_Amps_f32	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_Igc_data	1		
Name	Actual Value	Expected Value	Result
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	✔

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	✓

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## Test Step 2.41 (Repeat Count = 1)

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_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	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	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	121.140739	121.140739	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	23.6465321	23.6465321	✔

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	✓

## Test Step 2.42 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_data		
k_CurrGainNumerator_Amps_f32	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_Igc_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	✔

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	✓

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## Test Step 2.43 (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_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	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		
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	✔

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	✓

## Test Step 2.44 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	1		
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_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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_data		
k_CurrGainNumerator_Amps_f32	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_Igc_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	✔

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	✓



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## Test Step 2.45 (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	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		
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	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	✔

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	✓

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CmMtrCurr\_SCom\_CalGain

## Test Case 3: Path Test

### Specification

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

CPU Cycles:

TC3.1 778.00 Cycles  
TC3.2 1098.00 Cycles  
TC3.3 788.00 Cycles  
TC3.4 824.00 Cycles  
TC3.5 1097.00 Cycles  
TC3.6 781.00 Cycles  
TC3.7 790.00 Cycles  
TC3.8 818.00 Cycles  
TC3.9 831.00 Cycles  
TC3.10 838.00 Cycles  
TC3.11 839.00 Cycles  
TC3.12 840.00 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)=True  
( (MtrCurr2Gain_AmpspVolt_T_f32 >= k_MtrCurrEOLMinGain_AmpspVolts_f32) &&  
(MtrCurr2Gain_AmpspVolt_T_f32 <= k_MtrCurrEOLMaxGain_AmpspVolts_f32) &&  
(MtrCurr1Gain_AmpspVolt_T_f32 >= k_MtrCurrEOLMinGain_AmpspVolts_f32) &&  
(MtrCurr1Gain_AmpspVolt_T_f32 <= k_MtrCurrEOLMaxGain_AmpspVolts_f32) )=True"  
TS3.3( VehSpd_Kph_T_f32 < FLT_EPSILON)=False  
TS3.4"( (MtrCurr2Gain_AmpspVolt_T_f32 >= k_MtrCurrEOLMinGain_AmpspVolts_f32) ==>true&&  
(MtrCurr2Gain_AmpspVolt_T_f32 <= k_MtrCurrEOLMaxGain_AmpspVolts_f32) ==>False&&  
(MtrCurr1Gain_AmpspVolt_T_f32 >= k_MtrCurrEOLMinGain_AmpspVolts_f32) &&  
(MtrCurr1Gain_AmpspVolt_T_f32 <= k_MtrCurrEOLMaxGain_AmpspVolts_f32) )=False"  
TS3.5"( Abs_f32_m(MtrVel_MtrRadpS_T_f32) < k_MaxCurrOffMtrVel_RadpS_f32)=True &&  
(ProductionMode != Mec_Cnt_T_enum)=False )"   
TS3.6if ((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 &&  
(VhSpdValid_T_Cnt_lgc == TRUE)==>False )==>False"  
TS3.8"( (MtrCurr2Gain_AmpspVolt_T_f32 >= k_MtrCurrEOLMinGain_AmpspVolts_f32)==>False &&  
(MtrCurr2Gain_AmpspVolt_T_f32 <= k_MtrCurrEOLMaxGain_AmpspVolts_f32) &&  
(MtrCurr1Gain_AmpspVolt_T_f32 >= k_MtrCurrEOLMinGain_AmpspVolts_f32) &&  
(MtrCurr1Gain_AmpspVolt_T_f32 <= k_MtrCurrEOLMaxGain_AmpspVolts_f32) )"   
TS3.9"( (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)==>False &&  
(MtrCurr1Gain_AmpspVolt_T_f32 <= k_MtrCurrEOLMaxGain_AmpspVolts_f32) )"   
TS3.10"( (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)==>False &&  
(MtrCurr1Gain_AmpspVolt_T_f32 <= k_MtrCurrEOLMaxGain_AmpspVolts_f32)==>False )"   
TS3.11 (Abs_f32_m(CmMtrCurr_FiltMtrCurr1_Volt_M_f32 - CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32) > FLT_EPSILON)=true  
&&(Abs_f32_m(CmMtrCurr_FiltMtrCurr2_Volt_M_f32 - CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32) > FLT_EPSILON)=false  
TS3.12 (Abs_f32_m(CmMtrCurr_FiltMtrCurr1_Volt_M_f32 - CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32) > FLT_EPSILON)=false
```

## Test Step 3.1 (Repeat Count = 1)

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	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_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	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	34	34	✓
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	20	20	✓
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	20	20	✓

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T				
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_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	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	✔

T				
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)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	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_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	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	✔

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T				
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)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_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			
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	✓	

T				
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 3.5 (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_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	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	✓	

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T				
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 3.6 (Repeat Count = 1)

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			
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	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	Expected Value	Result	
CmMtrCurr_SCom_CalGain()	34	34	✓	
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	64.1647263	64.1647263	✓	
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	31	31	✓	

T				
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_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			
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	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 DETAILS REPORT

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CmMtrCurr\_SCom\_CalGain



T				
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			
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_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	✓	
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	125	125	✓	

T				
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 3.9 (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_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	✓	

# TEST DETAILS REPORT

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T				
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	✓

## Test Step 3.10 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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_Igc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	20	20	✔
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	62.5700874	62.5700874	✔
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	66.9764252	66.9764252	✔

T				
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	✓

## Test Step 3.11 (Repeat Count = 1)

Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_Igc	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_Igc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_Igc_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	✔

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CmMtrCurr\_SCom\_CalGain



T				
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 3.12 (Repeat Count = 1)				
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_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			
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	✓	

T				
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 DETAILS REPORT

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CmMtrCurr\_SCom\_MtrCurrOffReadStatus



Project	CmMtrCurr1
Module	CmMtrCurr_MTRCURRPHASEAB_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	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\CmMtrCurr\utp\contract -I\$(PROJECTROOT)\CmMtrCurr\utp\contract\Sa_CmMtrCurr -I\$(PROJECTROOT)\CmMtrCurr\include -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

## Comments/Description/Specification

Name	Text
Module 'CmMtrCurr_MTRCURRPHASEAB_ON	*****Unit Test Information*****  Name of Tester:Chandrananth 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):130 Total CALS 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_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

# TEST DETAILS REPORT

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CmMtrCurr\_SCom\_MtrCurrOffReadStatus



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 DETAILS REPORT

CmMtrCurr\_SCom\_MtrCurrOffReadStatus

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## Test Case 1: Range Test

<b>Specification</b>	Performance Metrics : [With "None" Instrumentation and WithPS Environment]
	CPU Cycles: TS1.1 8.00 Cycles TS1.2 8.00 Cycles TS1.3 8.00 Cycles TS1.4 8.00 Cycles
<b>Description</b>	VECTOR 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	✓	

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

### Test Step 1.2 (Repeat Count = 1)

Name		Input Value		
CmMtrCurr_CurroffProcessFlag_M_enum		1		
CurrOffStatus		tgt_CurrOffStatus		
Name	Actual Value	Expected Value	Result	
tgt_CurrOffStatus	1	1	✓	

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

### 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	✓	

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

### 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	✓	

T				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓