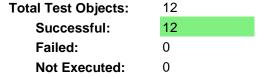


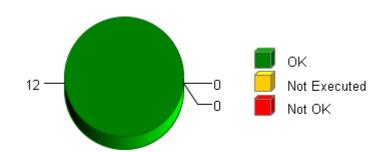
Summary

Overall Test Object Results (including Coverage)



2016-07-24 Date:

Time: 12:06:11+0530



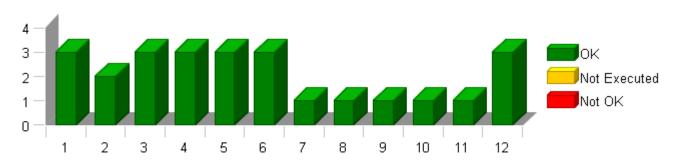
Selected Project Items

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)

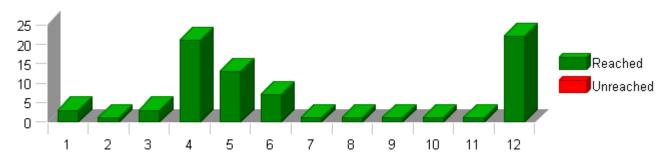
Test Case Results for Each Test Object (without Coverage)



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).

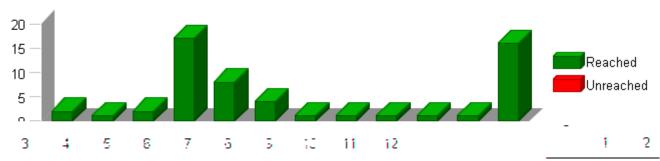


Statement (C0) Coverage: Total Statements for Each Test Object



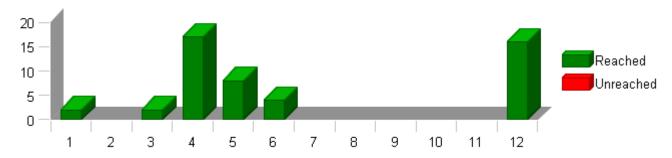
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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

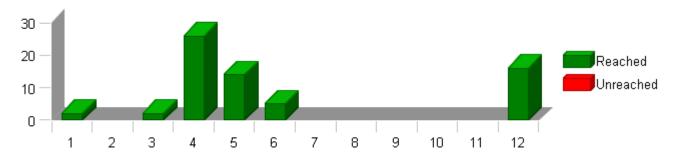


The table above shows test objects on the x axis and the number of possible outcomes of all decisions of the respective test object on the y axis. To achieve full DC coverage, each decision must evaluate to both true and false.

Each bar is divided into reached and unreached decision outcomes.



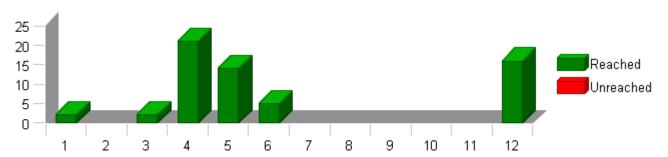
MC/DC Coverage: Total Condition Combinations for Each Test Object



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	CmMtrCurr_Init	100 %	100 %	100 %	100 %	100 %	3 of 3 passed
2	CmMtrCurr_Per1	100 %	100 %	-	-	-	2 of 2 passed
3	CmMtrCurr Per2	100 %	100 %	100 %	100 %	100 %	3 of 3 passed
4	CmMtrCurr Per3	100 %	100 %	100 %	100 %	100 %	3 of 3 passed
5	CmMtrCurr SCom CalGain	100 %	100 %	100 %	100 %	100 %	3 of 3 passed
6	CmMtrCurr SCom CalOffset	100 %	100 %	100 %	100 %	100 %	3 of 3 passed
7	CmMtrCurr SCom MtrCurrOffReadStatus	100 %	100 %	-	-	-	1 of 1 passed
8	CmMtrCurr SCom ReadMtrCurrCals	100 %	100 %	-	-	-	1 of 1 passed
9	CmMtrCurr SCom SetMtrCurrCals	100 %	100 %	-	-	-	1 of 1 passed
10	CmMtrCurrTempOffset Scom Get	100 %	100 %	-	-	-	1 of 1 passed
11	CmMtrCurrTempOffset Scom Set	100 %	100 %	-	-	-	1 of 1 passed
12	CurrDQPer1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed

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CmMtrCurr_Per1

2016-07-24, 11:50:24+0530



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

Name	Text
Module CmMtrCurr_MTRCURRPHASEAB_ON	Name of Tester:Chandrakanth Sheegi Code File(s) Under Test:Sa_CmMtrCurr.c Code File(s) Version:2 Module Design Document:CmMtrCurr_MDD.docx Module Design Document:CmMtrCurr_MDD.docx Module Design Document Version:2 Data Dictionary Version:2 Unit Test Plan Version:2 Unit Test Plan Version:2 Compiler (CodeCen) 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 :- MtrCurr1SumHi_Volt_M_f32_, VecuSum_Volt_M_f32_, CmMtrCurr_Curr_OffAvgCounter_Cnt_M_u16 Note4:-In function CurrDQPer1(), variables 'MtrCurrK1_Amps_f32' and 'MtrCurrK2_Amps_f32' are going to very large values."

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

2016-07-24, 11:50:24+0530





Attributes					
Name	Value				
InitObjDir	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>				
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src				
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>				
Makefile Template	<pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl</pre>				
Target Install Path	<pre>\$(ProgramFiles)\pls\UDE 4.4</pre>				
Time Unit	cycles				
Timer Enabled	false				
Timer Prescale	0				
Timer Resolution	1				
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg				
Workspace File	D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP				



Test Case 1: Metrics Test

Specification

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

CPU Cycles:

TC1.1 1220.00 Cycles TC1.2 1220.00 Cycles

Description VECTOR DESCRIPTION:

TS1.1 Shortest Execution Path==> IntplVarXY_s16_s16Xs16Y_Cnt = False TS1.2 Longest Execution Path==> IntplVarXY_s16_s16Xs16Y_Cnt = True

Test Step 1.1 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value	0		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]	-480		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]	-320		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	-160		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]	-32		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	800		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]	1600		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]	2592		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]	2720		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]	2880		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]	3040		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	3072		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]	3104		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]	3840		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]	4000		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]	4160		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]	4320		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]	2		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]	4		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	6		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]	8		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]	10		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]	12		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]	14		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]	16		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]	18		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]	20		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]	23		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]	25		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]	27		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]	29		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]	31		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]	33		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]	2		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]	4		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]	6		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]	8		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]	10		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]	12		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]	14		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]	16		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]	18		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]	20		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]	23		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]	25		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]	27		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]	29		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]	31		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]	33		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32	tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.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	~





Τ				
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_nm_carremponset.currOffsetY2_voits_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_FiltCntrlTer	mp DeaC f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32	tgt CmMtrCurr Per1 MtrCurr1Te		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	tgt_Pim_CurrTempOffset		
Name	Actual Value	Expected Value	Resul
	0.00390625	0.00390625 ± 0.000000009	Resul
tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value 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 Case 2: Range Test Specification Performance Metrics : [With "None" Instrumentation and WithPS Environment] 1047.00 Cycles 1047.00 Cycles 1047.00 Cycles 1047.00 Cycles 1073.00 Cycles 1071.00 Cycles 1202.00 Cycles 1047.00 Cycles 1020.00 Cycles 1202.00 Cycles 1202.00 Cycles 1202.00 Cycles 1220.00 Cycles 1220.00 Cycles 1241.00 Cycles 1241.00 Cycles 1281.00 Cycles 1381.00 Cycles 1381.00 Cycles 1381.00 Cycles TC2.1 TC2.2 TC2.3 TC2.4 TC2.5 TC2.6 TC2.7 TC2.8 TC2.9 TC2.10 TC2.11 TC2.12 TC2.13 TC2.14 TC2.15 TC2.16 TC2.17 TC2.18 TC2.19 TC2.20 TC2.21 TC2.22 1301.00 Cycles 1242.00 Cycles Description VECTOR DESCRIPTION: TS2.1 All Min 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.CurrTempOffsetX_DegC_s10p5==>Neg TS2.13 Rte_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5==>Neg TS2.12 Rte_Pim_CurrTempOffset.CurrOffsetY_DegC_s10p5==> TS2.13 Rte_Pim_CurrTempOffset.CurrOffsetY1_volts_s4p11==>Min TS2.14 Rte_Pim_CurrTempOffset.CurrOffsetY1_volts_s4p11==>Pos TS2.15 Rte_Pim_CurrTempOffset.CurrOffsetY1_volts_s4p11==>Pos TS2.16 Rte_Pim_CurrTempOffset.CurrOffsetY1_volts_s4p11==>Pos TS2.17 Rte_Pim_CurrTempOffset.CurrOffsetY1_volts_s4p11==>Neg TS2.18 Rte_Pim_CurrTempOffset.CurrOffsetY2_volts_s4p11==>Neg TS2.19 Rte_Pim_CurrTempOffset.CurrOffsetY2_volts_s4p11==>Pos TS2.20 Rte_Pim_CurrTempOffset.CurrOffsetY2_volts_s4p11==>Pos TS2.21 Rte_Pim_CurrTempOffset.CurrOffsetY2_volts_s4p11==>Pos TS2.22 Rte_Pim_CurrTempOffset.CurrOffsetY2_volts_s4p11==>Pos

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	-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_FiltCntrlTen	np_DegC_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr1Te	mpOffset_Volt_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr2Te	mpOffset_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	✓

Τ				✓
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_f	732	
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	•

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached	1	~
IntplVarXY_s16_s16Xs16Y_Cnt	2	IntplVarXY_s16_s16Xs16Y_Cnt	2	✓
Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached	1	~

Test Step 2.3 (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_1	32	
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	~

Τ				✓
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_1	32	
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	~

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached	1	~
IntplVarXY_s16_s16Xs16Y_Cnt	2	IntplVarXY_s16_s16Xs16Y_Cnt	2	~
Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached	1	~

Test Step 2.5 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value	105.32
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]	-960
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]	-640
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	-320
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]	0
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	512
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]	672
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]	832
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]	992
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]	1472
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]	1632
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	1792
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]	1952
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]	2432
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]	2592
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]	2752
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]	2912
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]	-53
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]	-51
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	-49
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]	-47
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]	-45
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]	-43
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]	-41
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]	-39
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]	-37
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]	-35
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]	-33
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]	-31
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]	-29
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]	-27
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]	-25
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]	-23
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]	-53
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]	-51
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]	-49

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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_FiltCntrlTemp_DegC_f32	tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_\text{'}	Volt_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_\text{'}	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 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

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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_f	732	
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	•

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached	1	~
IntplVarXY_s16_s16Xs16Y_Cnt	2	IntplVarXY_s16_s16Xs16Y_Cnt	2	~
Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached	1	~

Innut Value
Input Value
tgt_Rte_Inst_Sa_CmMtrCurr
-33.25
0
384
576
704
896
1024
1216
1344
1536
1664
1856
1984
3264
3456
3904
4096
-45
-43
-41
-39
-37
-35
-33 -31
-29
-29 -27
-27
-20
-20 -18
-16
-14 -45
-43
-41
-39
-37
-35
-33
-31
-29
-27 -25

CmMtrCurr_Per1

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N	Innert Welling		
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_f	32	
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	~

Τ				✓
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
-9	

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Name	Input Value		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]	25		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32	tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_\text{'}	Volt_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_\text{'}	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			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached	1	~
IntplVarXY_s16_s16Xs16Y_Cnt	2	IntplVarXY_s16_s16Xs16Y_Cnt	2	~
Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached	1	-

Test Step 2.9 (Repeat Count = 1)	Input Value
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
gt CmMtrCurr Per1 FiltCntrlTemp DegC f32.value	-26.43644691
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[0]	4800
gt Pim CurrTempOffset.CurrTempOffsetX_DegC s10p5[1]	4800
gt Pim CurrTempOffset.CurrTempOffsetX_DegC s10p5[2]	4800
gt Pim CurrTempOffset.CurrTempOffsetX_DegC s10p5[3]	4800
gt Pim CurrTempOffset.CurrTempOffsetX_DegC s10p5[4]	4800
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]	4800
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[6]	4800
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[7]	4800
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[8]	4800
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]	4800
gt Pim CurrTempOffset.CurrTempOffsetX_DegC s10p5[10]	4800
gt Pim CurrTempOffset.CurrTempOffsetX_DegC s10p5[11]	4800
gt Pim CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]	4800
gt_rini_currTempOriset.CurrTempOrisetX_DegC_s10p5[12] gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]	4800
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]	4800
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]	4800
gt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[0]	-53
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]	-51
gt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[2]	-49
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]	-47
at Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[4]	-45
gt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[5]	-43
gt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[6]	-41
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]	-39
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]	-37
gt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[9]	-35
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]	-33
gt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[11]	-31
gt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[12]	-29
gt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[13]	-27
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]	-25
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]	-23
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]	-53
gt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[1]	-51
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]	-49
gt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[3]	-47
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]	-45
gt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[5]	-43
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]	-41
gt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[7]	-39
gt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[8]	-37
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]	-35
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]	-33
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]	-31
pt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]	-29
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]	-27
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]	-25
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]	-23
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32	tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32	tgt CmMtrCurr Per1 MtrCurr1TempOffset Volt f32
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32

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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_FiltCntrlTemp_DegC_f32.value	52.18713468	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]	320	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]	480	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	640	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]	800	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	960	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]	1280	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]	1440	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]	1600	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]	2080	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]	2400	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	2560	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]	2720	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]	3040	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]	3360	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]	3680	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]	4160	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]	2	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]	4	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	6	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]	8	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]	10	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]	12	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]	14	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]	16	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]	18	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]	20	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]	23	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]	25	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]	27	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]	29	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]	31	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]	33	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]	2	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]	4	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]	6	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]	8	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]	10	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]	12	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]	14	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]	16	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]	18	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]	20	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]	23	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]	25	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]	27	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]	29	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]	31	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]	33	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32	tgt_CmMtrCurr_Per1_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	Resul
tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value	0.0078125	•
tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	0.0078125	•



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)	Innext Makes		
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		
	4		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]	6		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]			
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		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr1Tem	pOffset_Volt_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr2Tem	pOffset_Volt_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	tgt_Pim_CurrTempOffset		
Name	Actual Value	Expected Value	Resul
tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value	-0.0219726563	-0.021972656 ± 0.00000009	
tgt CmMtrCurr Per1 MtrCurr2TempOffset Volt f32.value	0.0009765625	0.000976563 ± 0.0000000009	



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	~

line e_Inst_Sa_CmMtrCurr c_mMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0] Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1] Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2] Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3] Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	Input Value tgt_Rte_Inst_Sa_CmMtrCurr 6.719212592 -1536 -1440 -1376 -1280		
CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0] Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1] Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2] Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3] Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	6.719212592 -1536 -1440 -1376		
Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0] _Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1] _Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2] _Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3] _Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	-1536 -1440 -1376		
Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1] Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2] Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3] Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	-1440 -1376		
Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2] _Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3] _Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	-1376		
Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3] Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]			
Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]			
	-1216		
_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]	-1120		
_rim_currTempOffset.CurrTempOffsetX_DegC_s10p5[6]	-1056		
Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[7]	-960		
Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[8]	-896		
Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[9]	-800		
_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	-704		
Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[11]	-640		
_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]	-480		
_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]	-384		
_rim_ourremponsec.ourremponsecx_bego_stops[13] _Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]	-320		
Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[15]	-160		
_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]	1		
Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[1]	2		
Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[2]	2		
_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]	2		
_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]	2		
_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]	4		
_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]	6		
Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[7]	8		
_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]	10		
Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[9]	12		
Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[10]	14		
Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[11]	16		
Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]	18		
Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]	20		
Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]	23		
_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]	25		
Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[0]	-45		
Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[1]	-43		
Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[2]	-41		
Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[3]	-39		
Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]	-37		
Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]	-35		
Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]	-33		
Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[7]	-31		
_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]	-29		
Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[9]	-27		
Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]	-25		
Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]	-23		
Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[12]	-20		
Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]	-18		
Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]	-16		
Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[15]	-14		
Rte Inst Sa CmMtrCurr.CmMtrCurr Per1 FiltCntrlTemp DegC f32	tgt CmMtrCurr Per1 FiltCntrlTemp DegC f32		
Rte Inst Sa CmMtrCurr.CmMtrCurr Per1 MtrCurr1TempOffset Volt f32	tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f3	2	
Rte Inst Sa CmMtrCurr.CmMtrCurr Per1 MtrCurr2TempOffset Volt f32	tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f3		
Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	tgt Pim CurrTempOffset		
ime	· · · · · · · · · · · · · · · · · · ·	ected Value	Resul
	· ·	2207031 ± 0.00000009	IVESUI
_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value _CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value		6835938 ± 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 2.13 (Repeat Count = 1) Name	Innut Value		
	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_MtrCurr1Temp	- · -	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr2Temp		
tgt Rte Inst Sa CmMtrCurr.Pim CurrTempOffset	tgt Pim CurrTempOffset		
Name	Actual Value	Expected Value	Resul
	-0.0258789063		Resul
tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	0.0009765625	-0.025878906 ± 0.00000009 0.000976563 ± 0.0000000009	



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	Innut Value		
	Input Value		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value	134.8001501		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]	384		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]	704		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	1024		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]	1344		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	1664		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]	1984		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]	2304		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]	2624		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]	2944		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]	3168		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	3232		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]	3552		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]	3872		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]	4192		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]	4512		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]	4768		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]	-53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]	-51		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]	-49		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]	-47		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]	-45		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]	-43		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]	-41		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]	-39		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]	-37		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]	-35		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]	-33		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]	-31		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]	-29		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]	-27		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]	-25		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]	-23	roo	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32	tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_1		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_	Volt_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	tgt_Pim_CurrTempOffset		
Name	Actual Value	Expected Value	Resu
tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value	0.0258789063	0.025878906 ± 0.00000009	
g_ogurani			



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 2.15 (Repeat Count = 1)	Immust Value		
Name	Input Value		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value	122.2946655		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]	-1440		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]	-1280		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	-1120		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]	-960		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	-800		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]	-640		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]	-480		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]	-160		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]	0		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]	320		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	640		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]	960		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]	1280		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]	1920		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]	2240		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]	2560		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]	2		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]	4		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	6		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]	8		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]	10		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]	12		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]	14		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]	16		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]	18		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]	20		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]	23		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]	25		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]	27		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]	29		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]	31		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]	33		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]	2		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]	4		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]	6		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]	8		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]	10		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]	12		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]	14		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]	16		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]	18		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]	20		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]	23		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]	25		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]	27		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]	29		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]	31		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]	33		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32	tgt_CmMtrCurr_Per1_FiltCntrlTemp_D	egC_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr1TempO		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32	tgt CmMtrCurr Per1 MtrCurr2TempO		
tgt Rte Inst Sa CmMtrCurr.Pim CurrTempOffset	tgt_Pim_CurrTempOffset		
Name	Actual Value	Expected Value	Resul
tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value	0.0161132813	0.016113281 ± 0.00000009	Resul
tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_132.value	0.0161132813	0.016113281 ± 0.00000009	



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_MtrCurr1Tem		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr2Tem		
tgt Rte Inst Sa CmMtrCurr.Pim CurrTempOffset	tgt_Pim_CurrTempOffset	h	
Name	Actual Value	Expected Value	Resul
	0	0 ± 0.000009	Resul
tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	-0.0185546875	-0.018554688 ± 0.0000009	



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 2.17 (Repeat Count = 1) Name	Input Value		
	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] tqt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]	1344 1568		
0	1664		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]	1888		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	1984		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]			
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]	2208 2304		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]			
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]	2528 2624		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]	-45		
	-43		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	-43		
tgt_Fim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	-39		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]	-37		
tgt_rim_currTempOffset.CurrOffsetY1_Volts_s4p11[5]	-35		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]	-33		
tgt_rim_currTempOffset.CurrOffsetY1_Volts_s4p11[7]	-31		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]	-29		
tgt_rim_currTempOffset.CurrOffsetY1_Volts_s4p11[9]	-27		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]	-25		
tgt_rim_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		
tqt 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_MtrCurr1Temp		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr2Temp		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	tgt_Pim_CurrTempOffset		
Name	Actual Value	Expected Value	Resul
tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value	-0.0219726563	-0.021972656 ± 0.00000009	
tgt CmMtrCurr Per1 MtrCurr2TempOffset Volt f32.value	0.0009765625	0.000976563 ± 0.0000000009	



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)	Innut Value		
	Input Value		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value	24.05693763		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]	96		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]	192		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	288		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]	416		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	512		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]	608		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]	736		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]	832		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]	928		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]	1056		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	1152		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]	1248		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]	1376		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]	1472		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]	1568		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]	1760		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]	-45		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]	-43		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	-41		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]	-39		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]	-37		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]	-35		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]	-33		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]	-31		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]	-29		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]	-27		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]	-25		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]	-23		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]	-20		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]	-18		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]	-16		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]	-14		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]	-53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]	-53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]	-53		
tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[3]	-53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]	-53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]	-53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]	-53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]	-53		
tqt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[8]	-53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]	-53		
tgt Pim CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]	-53		
tgt Pim CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]	-53		
tgt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[12]	-53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]	-53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]	-53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]	-53		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32	tgt_CmMtrCurr_Per1_FiltCntrlTemp_	DegC: f32	
gt_Rte_inst_5a_CrimitiCurr.CrimitiCurr_Per1_FitiCntr1efip_begC_is2 gt_Rte_inst_5a_CrimitiCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr1Temp		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr2Temp	Oliset_vult_isz	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	tgt_Pim_CurrTempOffset	1	
Name	Actual Value	Expected Value	Resul
tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value	-0.0161132813	-0.016113281 ± 0.00000009	•





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	Innut Value		
	Input Value		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value	104.1973985		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]	-928		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]	-608		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	0		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]	736		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	1056		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]	1408		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]	1568		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]	2016		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]	2368		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]	2688		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	2848		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]	3200		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]	3936		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]	4544		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]	4640		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]	4768		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]	1		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]	2		
tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[2]	2		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]	2		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]	2		
tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[5]	4		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]	6		
tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[7]	8		
tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[8]	10		
tgt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[9]	12		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]	14		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]	16		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]	18		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]	20		
	23		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]			
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]	25		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]	53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]	53		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32	tgt_CmMtrCurr_Per1_FiltCntrlTemp	_DegC_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr1Tem		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32	tgt CmMtrCurr Per1 MtrCurr2Tem		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	tgt_Pim_CurrTempOffset		
Name	Actual Value	Expected Value	Resu
	0.0078125	0.0078125 ± 0.000000009	ixesu
tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	0.0078125	0.0078125 ± 0.000000009 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 2.20 (Repeat Count = 1) Name	Input Value		
Rte Inst Sa CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
gt CmMtrCurr Per1 FiltCntrlTemp DegC f32.value	143.1812282		
gt_Critiviti Cutr_Ferr_r itCritirTemp_begc_i32.value igt_Pim_CutrTempOffset.CutrTempOffsetX_DegC_s10p5[0]	0		
gt_Finf_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]	320		
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]	640		
	960		
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]			
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	1600		
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]	1280		
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]	1920		
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]	2240		
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]	2560		
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]	2880		
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	3200		
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]	3520		
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]	3840		
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]	4160		
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]	4480		
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]	4800		
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]	-53		
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]	-51		
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	-49		
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]	-47		
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]	-45		
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]	-43		
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]	-41		
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]	-39		
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]	-37		
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]	-35		
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]	-33		
gt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[11]	-31		
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]	-29		
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]	-27		
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]	-25		
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]	-23		
gt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[0]	2		
gt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[1]	4		
gt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[2]	6		
gt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[3]	8		
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]	10		
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]	12		
gt_Pin_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]	14		
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]	16		
	18		
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]			
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]	20		
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]	23		
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]	25		
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]	27		
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]	29		
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]	31		
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]	33		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32	tgt_CmMtrCurr_Per1_FiltCntrlTer		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr1Te	_ :	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr2Te	empOffset_Volt_f32	
gt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	tgt_Pim_CurrTempOffset		
Name	Actual Value	Expected Value	Resu
gt CmMtrCurr Per1 MtrCurr1TempOffset Volt f32.value	-0.0122070313	-0.012207031 ± 0.00000009	
gt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	0.0151367188	0.015136719 ± 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 2.21 (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		
	0		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[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_MtrCurr1Temp		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr2Temp		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	tgt_Pim_CurrTempOffset		
Name	Actual Value	Expected Value	Resu
	0.0078125	0.0078125 ± 0.00000009	IXesu
tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value tgt_CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32.value	0.0078125	0.0078125 ± 0.00000009 0 ± 0.000009	





Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached	1	~
IntplVarXY_s16_s16Xs16Y_Cnt	2	IntplVarXY_s16_s16Xs16Y_Cnt	2	~
Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached	1	~

Test Step 2.22 (Repeat Count = 1) Name	Input Value		
	·		
Rte_Inst_Sa_CmMtrCurr tgt_CmMtrCurr_Per1_FiltCntrlTemp_DegC_f32.value	tgt_Rte_Inst_Sa_CmMtrCurr 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_rim_currTempOffset.CurrTempOffsetX_DegC_s10p5[2]	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_rim_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	C_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr1TempOffse		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per1_MtrCurr2TempOffset_Volt_f32	tgt_CmMtrCurr_Per1_MtrCurr2TempOffse		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	tgt_Pim_CurrTempOffset		
	Actual Value	Expected Value	Result
Name			
Name tgt_CmMtrCurr_Per1_MtrCurr1TempOffset_Volt_f32.value	0.0048828125	0.004882813 ± 0.000000009	Resu

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T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per1_CP0_CheckpointReached	1	~
IntplVarXY_s16_s16Xs16Y_Cnt	2	IntplVarXY_s16_s16Xs16Y_Cnt	2	•
Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per1_CP1_CheckpointReached	1	•

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 ${\it CmMtrCurrTempOffset_Scom_Set}$

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)\NxtrLib\include -I\$(PROJECTROOT) \StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -l\$(PROJECTROOT)\CmMtrCurr\utp\contract -l\$(PROJECTROOT) \CmMtrCurr\utp\contract\Sa_CmMtrCurr -l\$(PROJECTROOT)\CmMtrCurr\include -l\$(PROJECTROOT)\NxtrLib\include -l\$(PROJECTROOT) \StdDef\include -l\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470 4.9.5\include

lame	Text
Module CmMtrCurr_MTRCURRPHASEAB_	Name of Tester:Chandrakanth Sheegi Code File(s) Under Test:Sa_CmMtrCurr.c 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):3176 Total RAM Used (Bytes):46 Special Test Requirements:NA Test Date:7/23/2016 Comments: "Note1: Inline functions defined in globalmacro.h are not unit tested. Note2:- ""CBD_Sandbox_dbg.map"" map file is embedded for reference. Note3:-In function ""CmMtrCurr_Per3"" some variables are going out of range for some vectors,accepted by devloper variables are :- MtrCurr2Sumhi_Volt_M_f32, VecuSum_Volt_M_f32, MtrCurr1SumLo_Volt_M_f32, MtrCurr2SumLo_Volt_M_f32, MtrCurr2SumLo_Volt_M_f32, MtrCurr1SumZero_Volt_M_f32, MtrCurr1SumLo_Volt_M_f32, are going to very large values."

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

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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	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Time Unit	cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



Test Case 1: Range Test

CmMtrCurrTempOffset_Scom_Set

Specification

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

CPU Cycles:

743.00 Cycles
669.00 Cycles
669.00 Cycles
621.00 Cycles TS1.1 TS1.2 TS1.3 TS1.4 TS1.5 TS1.6 TS1.7 TS1.8 TS1.9 TS1.9 TS1.10 TS1.11 TS1.12 TS1.13 TS1.14 TS1.15 TS1.16

Description

Vector Description:

TS1.1 All Min

Test Step 1.1 (Repeat Count = 1)

TS1.2 All Max
TS1.3 CurrTempOffCal1.CurrTempOffsetX_DegC_s10p5==>Min
TS1.4 CurrTempOffCal1.CurrTempOffsetX_DegC_s10p5==>Max
TS1.5 CurrTempOffCal1.CurrTempOffsetX_DegC_s10p5==>Pos
TS1.6 CurrTempOffCal1.CurrTempOffsetX_DegC_s10p5==>Pos
TS1.6 CurrTempOffCal1.CurrTempOffsetX_DegC_s10p5==>Neg
TS1.8 CurrTempOffCal1.CurrOffsetY1_Volts_s4p11==>Min
TS1.9 CurrTempOffCal1.CurrOffsetY1_Volts_s4p11==>Max
TS1.10 CurrTempOffCal1.CurrOffsetY1_Volts_s4p11==>Pos
TS1.11 CurrTempOffCal1.CurrOffsetY1_Volts_s4p11==>Pos
TS1.12 CurrTempOffCal1.CurrOffsetY1_Volts_s4p11==>Neg
TS1.13 CurrTempOffCal1.CurrOffsetY2_Volts_s4p11==>Neg
TS1.14 CurrTempOffCal1.CurrOffsetY2_Volts_s4p11==>Neg
TS1.15 CurrTempOffCal1.CurrOffsetY2_Volts_s4p11==>Max
TS1.16 CurrTempOffCal1.CurrOffsetY2_Volts_s4p11==>Pos
TS1.17 CurrTempOffCal1.CurrOffsetY2_Volts_s4p11==>Pos
TS1.17 CurrTempOffCal1.CurrOffsetY2_Volts_s4p11==>Pos

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

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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_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	tgt_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	~



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 4800				
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]					
tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[1]	53	53			
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]	53				
tgt_CurrTempOffCal.CurrOffsetY1_Volts_34p11[2]	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	53			
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]	53	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] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]	53				
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]	53 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	4800 4800			
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]	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[14]	4800	4800			
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]	4800	4800			
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]	53	53			
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]					
tgt iii_cair reiipolicet.cairolicet i_volo_cap i [1]	53	53	✓		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	53 53	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]	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)	v v v v v v v v v v v v v v v v v v v
Name	Input Value
CurrTempOffCal	tgt_CurrTempOffCal
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]	-1600
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]	-1600
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]	-1600
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]	-1600
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	-1600
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]	-1600
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]	-1600
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]	-1600
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]	-1600
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]	-1600
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]	-1600
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]	-1600
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]	-1600
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]	-1600
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]	-1600
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]	-1600
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]	-14
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]	-16
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]	-18
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]	-20
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]	-23
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]	-25
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]	-27
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]	-29
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]	-31
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]	-33
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]	-35
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11]	-37
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]	-39
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]	-41
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]	-43
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]	-45

2016-07-24, 12:01:43+0530



0_Contrapportion Contributery Value _ sept 110	Name	Input Value		
Security	tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]	•		
Section Sect	tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]	4		
Sp. Contrepoption Contributing Voltage 10	tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]	6		
Sec. ContrampOfClast Courrison(Contribute) Value Sept S	tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]	8		
Sec. Currison (Circle	tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]	10		
	tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]	12		
Section Sect	tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]	14		
Inc. Curt Temp Office Curt Comp Office	tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]	16		
Section ContrampOfDia Currichert Volta, spir1[10] 23	tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]	18		
Second S	tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]			
Second S	tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]			
Security				
Section Sect				
Section Sect				
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Actual Value				
Spt. Pm. Curr FempOffhet Curr FempOffhet Charges, 1609(1) 1600 160			I=	1
Sp.Pm_CurrTempOffset CurrTempOffset N. DepC_10p6[1] 1800			1	Result
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Inc. Min. Curr TempOffset Curr TempOffset X, DegC_ s10p5[4] 1600				
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Inc.				~
St. Pm. Curr TempOffset. Curr TempOffset. DegC_s10ps[8] 1:800 1:				Y.
SET_PIM_CurrTempOffset.CurrTempOffsetX_DegC_s10pS[10] 1600				¥
tgl_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] -1600	0			· ·
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tgt_Pim_CurrTempOffset.CurrOffsetY1_volts_s4p11[13] 41 -41 tgt_Pim_CurrTempOffset.CurrOffsetY1_volts_s4p11[14] -43 -43 tgt_Pim_CurrTempOffset.CurrOffsetY2_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[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	tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]	-37	-37	~
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[6] 12 12 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7] 16 16 16 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8] 18 18 18 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9] 20 20 20 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10] 23 23 23 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11] 25 25 25 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12] 27 27 27 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] 29 29 29 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] 31	tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]	-39	-39	~
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[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.CurrOffsetY1_Volts_s4p11[13]	-41	-41	~
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.CurrOffsetY1_Volts_s4p11[14]		-43	~
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[2] 6 6 4tg_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3] 8 8 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4] 10 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				~
tgl_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3] 8 tgl_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4] 10 tgl_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5] 12 tgl_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6] 14 tgl_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7] 16 tgl_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8] 18 tgl_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9] 20 tgl_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10] 23 tgl_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11] 25 tgl_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12] 27 tgl_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] 29 tgl_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] 31				
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[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[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[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[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[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[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[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[12] 27 27 27 27 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] 29 29 29 29 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] 31 31				-
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] 29 29 29 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] 31 31				
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] 31 31				-
				-
<u>.g</u> oun_oun_oun_oun_oun_oun_oun_oun_oun_oun				
		1		

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



Test Step 1.4 (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] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	4800 4800		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	4800		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]	4800		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]	4800		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]	4800		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]	4800		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]	4800		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]	4800		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]	4800 4800		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]	4800		
tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[15]	4800		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]	-47		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1]	-49		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]	-51		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]	-53		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]	2		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]	4		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]	6		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]	8		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9]	12		
tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[10]	14		
tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[11]	16		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]	18		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]	20		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]	23		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]	25		
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]	35		
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]	37		
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]	39 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 -8		
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]	-10		
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]	-12		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	tgt_Pim_CurrTempOffset		
Name	Actual Value	Expected Value	Result
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]	4800	4800	✓
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]	4800	4800	~
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	4800	4800	~
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]	4800	4800	~
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	4800	4800	~
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]	4800	4800	*
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]	4800	4800	<i>y</i>
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7] tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]	4800 4800	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 -51	-49 -51	Ž
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	-01	-01	

CmMtrCurrTempOffset_Scom_Set

2016-07-24, 12:01:43+0530



Actual Value Expected Value tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3] -53 -53 tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4] 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 -4 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11] -4 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12] -6 -6 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] -8 -8 $tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]$ -10 -10 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] -12 -12

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock	1	~

Test Step 1.5 (Repeat Count = 1)	L (M)
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] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]	-25 -27		
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]	-27 -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	Y
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	640	640	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3] tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	800 960	800 960	
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	V
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]	35	35	· ·
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	37 39	37 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 -14	-12 -14	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0] 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	Y
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 -43	-41 -43	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]	-43 -45	-45 -45	
a our rempenser our onsert z_voits_s4h i [[13]	10	70	

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



Name	Test Step 1.6 (Repeat Count = 1)			✓
Quartersynthmia		Input Value		
No. Land St. Contine Contine Dept. 149/00 0 0 0 0 0 0 0 0 0		•		
Mill				
E. CurifferroriOffical Court Front (Prince C	tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]	0		
Big. Cent PropOSCIA Court Pr	tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]	0		
19_Conf				
Value Valu				
Sp. Curf ramorOttal Curf ramon/Nex Design 5, 18 (5917)				
Inc. Curt responded Curt remported Exp. 2690, 1690877 0				
Security				
Inj. Curif respondible Curif respondible St. Dego. 410(41) 0 0 0 0 0 0 0 0 0				
Sec. Currenge Office Currenge Office Currenge Control (1)		0		
Sq. Curt PempORTICAL	tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]	0		
Sp. Curt Person Office (Curt Person Office X, Dept. 3 report)	tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]	0		
10 10 10 10 10 10 10 10	tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]			
Incl. Author				
Sp. CurtimpOCCal Curtified Y Volta sept 11 2				
Sp. Curt Pemp Office Curriffer (1) with sept 11(1) 4				
Section Sect				
Section Sect				
SQ_CurrempOffCol CurrOffSetY_Voits_sept116				
19_Curl*mpOffCol Curr/InterPoffCol Curr/InterPof				
15_CurTempOffCal CurrOffSetY 1, Volts 496110				
Fig. Curr TempOffical Curr Officer Y_ Volts_ sel 11 18 Fig. Curr TempOffical Curr Officer Y_ Volts_ sel 11 19 20 Fig. Curr TempOffical Curr Officer Y_ Volts_ sel 11 10 23 Fig. Curr TempOffical Curr Officer Y_ Volts_ sel 11 12 25 Fig. Curr TempOffical Curr Officer Y_ Volts_ sel 11 12 27 Fig. Curr TempOffical Curr Officer Y_ Volts_ sel 11 12 27 Fig. Curr TempOffical Curr Officer Y_ Volts_ sel 11 13 29 Fig. Curr TempOffical Curr Officer Y_ Volts_ sel 11 14 31 31 Fig. Curr TempOffical Curr Officer Y_ Volts_ sel 11 10 47 49 41 41 41 Fig. Curr TempOffical Curr Officer Y_ Volts_ sel 11 10 47 49 41 41 41 41 41 41 41	tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]	14		
Ig. CurTempOffCal CurOffsetY1_volts_s4p11[0] 20 Ig. CurTempOffCal CurOffsetY1_volts_s4p11[10] 25 Ig. CurTempOffCal CurOffsetY1_volts_s4p11[13] 25 Ig. CurTempOffCal CurOffsetY1_volts_s4p11[13] 29 Ig. CurTempOffCal CurOffsetY1_volts_s4p11[13] 29 Ig. CurTempOffCal CurOffsetY1_volts_s4p11[13] 29 Ig. CurTempOffCal CurOffsetY1_volts_s4p11[13] 31 Ig. CurTempOffCal CurOffsetY1_volts_s4p11[13] 33 Ig. CurTempOffCal CurOffsetY2_volts_s4p11[13] 47 Ig. CurTempOffCal CurOffsetY2_volts_s4p11[13] 47 Ig. CurTempOffCal CurOffsetY2_volts_s4p11[13] 48 Ig. CurTempOffCal CurOffsetY2_volts_s4p11[2] 51 Ig. CurTempOffCal CurOffsetY2_volts_s4p11[3] 49 Ig. CurTempOffCal CurOffsetY2_volts_s4p11[4] 2 Ig. CurTempOffCal CurOffsetY2_volts_s4p11[6] 4 Ig. CurTempOffCal CurOffsetY2_volts_s4p11[6] 6 Ig. CurTempOffCal CurOffsetY2_volts_s4p11[7] 8 Ig. CurTempOffCal CurOffsetY2_volts_s4p11[8] 10 Ig. CurTempOffCal CurOffsetY2_volts_s4p11[8] 20 Ig. CurTempOffCal CurOffsetY2_volts_s4p1[8] 20 Ig. CurTempOffCal CurOffsetY2_volts_s4p1[8] 20 Ig. Pim. CurTempOffSet CurTemp		16		
Ig. CurriempOffical CurriempY_Valls_selp11[10] 25 Ig. CurriempOffical				
St. CurlTempOffical CurrOffsetY1_Volts_s4p11112 27 27 27 27 27 27 27				
eg.Curr/empOffical.Curr/offsetY1_Volts_s4p1112]				
IgL_CurrTempOffCal.CurrOffsetY1_Volts_s4p1113				
Egi_CurrTempOffCal CurrOffsetY1_Volts_dept11[4] 31 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[6] 33 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[6] 47 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[7] 49 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[7] 49 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 53 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 53 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 4 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 4 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[7] 8 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 10 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 12 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 12 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 14 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 16 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 16 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 18 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 22 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 23 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 23 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 24 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 25 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 26 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 27 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 27 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 27 Egi_CurrTempOffCal CurrOffsetY2_Volts_dept11[8] 27 Egi_CurrTempOffSet_CurrTempOffset_VepG_Set_Set_Set_Set_Set_Set_Set_Set_Set_Set				
Igl_CurTempOffical CurrOffsetY_Volts_s4p11(5)				
Igt_CurTempOffCal CurOffSetY2_Volts_s4p11[1]				
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11 2 -51 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11 3 -53 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11 4 2 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11 5 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11 5 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11 6 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11 7 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11 9 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11 9 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11 10 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11 10 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11 11 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11 11 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11 13 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11 13 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11 14 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11 14 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11 15 tgt_CurrTempOffSet.CurrTempOffset Volts_s4p11 16 tgt_CurrTempOffset.CurrTempOffset Volts_s4p11 16 tgt_CurrTempOffset.CurrTempOffset Volts_s4p11 16 tgt_DurrTempOffset.CurrTempOffset Volts_s4p11 16 tgt_DurrTempOffset.CurrTempOffset Volts_s4p11 16 tgt_DurrTempOffset.CurrTempOffset Volts_s4p11 16 tgt_DurrTempOffset.CurrTempOffset.Volts_s4p11 16 tgt_DurrTempOffset.CurrTemp	tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]	-47		
Igt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3] -53 Igt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6] 2 Igt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6] 4 Igt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7] 8 Igt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8] 10 Igt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8] 10 Igt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8] 10 Igt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9] 12 Igt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10] 14 Igt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11] 16 Igt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11] 16 Igt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13] 20 Igt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14] 23 Igt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15] 25 Igt_Rie_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Igt_Pim_CurrTempOffset Igt_Pim_CurrTempOffset.CurrTempOffset Igt_Pim_CurrTempOffset Igt_Pim_CurrTempO	tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]	-49		
tg_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]	tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]	-51		
tg_CurrTempOffCal CurrOffsetY2_Volts_s4p11[5]				
tgl_CurrTempOffCal CurrOffsetY2_Volts_s4p11[6]				
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7] 8 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8] 10 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8] 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_Rel_Inst_Sa_CmMtrCurrPim_CurrTempOffset tgt_Pim_CurrTempOffset				
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]				
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tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14] 23 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15] 25 tgt_Re_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset tgt_Pim_CurrTempOffset Name Actual Value Expected Value R tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0] 0 0 0 1gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1] 0 0 0 1gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2] 0 0 0 0 1gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3] 0 0 0 0 1gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4] 0 0 0 1gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5] 0 0 0 1gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6] 0 0 0 0	tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]	18		
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tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]

CmMtrCurrTempOffset_Scom_Set

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Actual Value Expected Value tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3] 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 16 16 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11] 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

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock	1	Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock	1	✓

25

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Test Step 1.7 (Repeat Count = 1)	L WI	
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 25		
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]	25		
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]	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	Y
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 -384	-480 -384	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]	-320	-320	
tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[14]	-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	V
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] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]	-6 -8	-6 -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 27	25 27	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]	29	29	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]	31	31	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]	33	33	_
27		1	

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



CmMtrCurrTempOffset_Scom_Set

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[11]	1280		
tgt CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]	1920		
	2240		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]			
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 -6		
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]			
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	
	2560	2560	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]			
	-53	-53	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]		E2	
tgt_Pim_Curr1empOrtset.CurrOrtsetY1_Volts_s4p11[0] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	-53 -53	-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)	v v v v v v v v v v v v v v v v v v v
Name	Input Value
CurrTempOffCal	tgt_CurrTempOffCal
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]	-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 53	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	53 53	53	
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3] 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	~



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 1024		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] 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 12		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5] 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] 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]	704 928	704 928	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	1024	1024	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5] tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]	1248	1248	
tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[7]	1344	1344	
tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[8]	1568	1568	
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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CmMtrCurrTempOffset_Scom_Set

CmMtrCurrTempOffset_Scom_Set			NAZOILAG
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	✓

0

0

0

0

0

0

0

0

0

0

0

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	~

Count Expected Function

Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock

Rte_Call_Sa_CmMtrCurr_EOLCurrTempOffset_WriteBlock

Actual Function

tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]

tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]

tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]

tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]

tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]

tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]

tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]

Count Result



Test Step 1.12 (Repeat Count = 1)			✓
Name	Input Value		
CurrTempOffCal	tgt_CurrTempOffCal		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]	-928		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]	-608		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]	0		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	736 1056		
tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[4]	1408		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]	1568		
tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[7]	2016		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]	2368		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]	2688		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]	2848		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]	3200		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]	3936		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]	4544 4640		
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]	4768		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0]	-14		
tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[1]	-16		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2]	-18		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3]	-20		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4]	-23		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]	-25		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6]	-27		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]	-29		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]	-31		
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10]	-33 -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]	-14		
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]	-16		
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]	-18		
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]	-20 -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 -45		
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	tgt_Pim_CurrTempOffset		
Name	Actual Value	Expected Value	Result
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]	-928	-928	/Court
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]	-608	-608	•
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	0	0	~
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]	736	736	~
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	1056	1056	~
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]	1408	1408	~
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]	1568	1568	~
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]	2016	2016	~
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]	2368	2368	· ·
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9] tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	2688 2848	2688 2848	Ž
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]	3200	3200	-
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]	3936	3936	-
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]	4544	4544	~
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]	4640	4640	-
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]	4768	4768	~
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[0]			
	-14	-14	~
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	-14 -16 -18	-14 -16 -18	~

tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]

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Actual Value Expected Value tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3] -20 -20 tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4] -23 -23 -25 -25 tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6] -27 -27 tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7] -29 -29 tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8] -31 -31 tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9] -33 -33 $tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]$ -35 -35 tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11] -37 -37 $tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]$ -39 -39 tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13] -41 -41 tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14] -43 -43 tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15] -45 -45 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0] -14 -14 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1] -16 -16 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2] -18 -18 $tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]$ -20 -20 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4] -23 -23 $tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]$ -25 -25 -27 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6] -27 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7] -29 -29 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8] -31 -31 -33 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9] -33 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10] -35 -35 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11] -37 -37 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12] -39 -39 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] -41 -41 $tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]$ -43 -43

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock	1	Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock	1	~

-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_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	l=	n u
Name	Actual Value	Expected Value	Result
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]	0	0	V
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]	320	320	V
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	640	640	V
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]	960	960	V
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	1600	1600	•
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]	1280	1280	Ž
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]	1920	1920	Ž
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7] tqt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]	2240 2560	2240 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[10]	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	✓

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock	1	Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock	1	-

-53

-53

-53

-53

-53

-53

 $tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]$

tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]

tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]

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

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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	<u> </u>
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]	8	6 8	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]	10	10	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]	12	12	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]	14	14	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]			
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]	16 18	16 18	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]	20	18	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]	20 23		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]	25	23 25	
		25	
	27		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]	27		
	27 29 31	29	

T			V	
Actual Function	Count	Expected Function	Count	Result
Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock	1	Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock	1	~

 $tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14]$

tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]

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

T				✓
Actual Function	Count	Expected Function	Count	Result
Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock	1	Rte Call Sa CmMtrCurr EOLCurrTempOffset WriteBlock	1	~

0

0

0

0

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

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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		
	-41		
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]			
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[7]	2432	2432	
	2752	2752	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]			
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	3072	3072	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]	3392	3392	Y
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	Y
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	
	-33	-33	
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]			
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	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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Razorcat

2016-07-24, 12:04:59+0530



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)\NxtrLib\include -I\$(PROJECTROOT) \StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtrLib\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)\NxtrLib\include -I\$(PROJECTROOT) \StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Spe	ecification
Name	Text



Module 'CmMtrCurr MTRCURRPHASEAB ON

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

Code File(s) Version:2
Module Design Document: CmMtrCurr_MDD.docx
Module Design Document Version:2
Data Dictionary Version:2
Unit Test Plan Version:2
Optimization Level: Level 2
Compiler (CodeGen) Version:TMS470_4.9.5
Model Type: Excel Macro
Model Version: Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.32
Total FLASH Used (Bytes):3176
Total RAM Used (Bytes):130
Total CALS Used (Bytes):46
Special Test Requirements:NA
Test Date: 7/23/2016

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

Note2:- ""CBD_Sandbox_dbg.map"" map file is embedded for reference.

Note3:-In function ""CmMtrCurr_Per3"" some variables are going out of range for some vectors,accepted by devloper variables are :-MtrCurr2SumHi_Volt_M_f32 , VecuSum_Volt_M_f32 , MtrCurr1SumLo_Volt_M_f32, MtrCurr2SumLo_Volt_M_f32, MtrCurr1SumZero_Volt_M_f32,MtrCurr2SumZero_Volt_M_f32, CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 .

Note4:-In function CurrDQPer1(), variables 'MtrCurrK1_Amps_f32' and 'MtrCurrK2_Amps_f32' are going to very large values."

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Time Unit	cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



Test Case 1: Metrics Test

Specification

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

TS1.1 526.00 Cycles TS1.2 602.00 Cycles

Description VECTOR DESCRIPTION:

Test Step 1.1 (Repeat Count = 1)			✓
Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.1176		
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	~

Т					
Actual Function	Count	Expected Function	Count	Resu	t
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	·

Τ				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~



Test Case 2: Range Test

Specification

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

CPU Cycles:

TS2.1 All Min TS2.2 All Max

TS2.2 All Max

TS2.3 Rte_Pim_ShCurrCal.EOLMtrCurrlOffsetDiff_Volts_f32==>Min

TS2.4 Rte_Pim_ShCurrCal.EOLMtrCurrlOffsetDiff_Volts_f32==>Max

TS2.5 Rte_Pim_ShCurrCal.EOLMtrCurrlOffsetDiff_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 Rte_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32==>Pos

TS2.12 kc_urrCorrErrFiltFc_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==>Pos
TS2.17 CmMtrCurr_CurrCorrDiagKSV_M_str.K==>Pos

Description VECTOR DESCRIPTION:

TS2.1 All Min

TS2.3 Rte Pim_ShCurrCal.EOLMtrCurr10ffsetDiff_Volts_f32==>Min
TS2.4 Rte Pim_ShCurrCal.EOLMtrCurr10ffsetDiff_Volts_f32==>Max
TS2.5 Rte Pim_ShCurrCal.EOLMtrCurr10ffsetDiff_Volts_f32==>Pos
TS2.6 Rte Pim_ShCurrCal.EOLMtrCurr20ffsetDiff_Volts_f32==>Min
TS2.7 Rte Pim_ShCurrCal.EOLMtrCurr20ffsetDiff_Volts_f32==>Min
TS2.8 Rte_Pim_ShCurrCal.EOLMtrCurr20ffsetDiff_Volts_f32==>Pos
TS2.9 Rte Pim_ShCurrCal.EOLMtrCurr20ffsetDiff_Volts_f32==>Pos
TS2.9 Rte_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32==>Min
TS2.10 Pta Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32==>Min

TS2.10 Rte Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32==>Max
TS2.11 Rte_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32==>Pos

TS2.11 Rte_Pim_ShCurrCal.EOLMtrCurrVcalCmd_Volt0
TS2.12 k_CurrCorrErrFiltFc_Hz_f32==>Min
TS2.13 k_CurrCorrErrFiltFc_Hz_f32==>Max
TS2.14 k_CurrCorrErrFiltFc_Hz_f32==>Pos
TS2.15 CmMtrCurr_CurrCorrDiagKSV_M_str.K==>Min
TS2.16 CmMtrCurr_CurrCorrDiagKSV_M_str.K==>Max
TS2.17 CmMtrCurr_CurrCorrDiagKSV_M_str.K==>Pos

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

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

Test Step 2.2 (Repeat Count = 1)			<u> </u>
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	·

Т				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~



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	✓

Т					
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	~

Т				
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	-

Τ				
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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CmMtrCurr_Init	

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	✓

Τ					V
Actual Function	Count	Expected Function	Count	Res	ult
none	0	*** No Call Expected ***	0		~

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 ± 0.000	001

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

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	



CmMtrCurr_Init

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	~



CmMtrCurr_Init

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	✓

T				V
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	•

T				✓
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	~

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





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	✓

T				~
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	✓

T				✓
Actual Function	Count	Expected Function	Coun	t 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	~

T				V
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~



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	✓

Τ				V
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~

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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 %

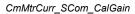
Statistics

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

Comments/Description/Spe	ecification
Name	Text





Module 'CmMtrCurr MTRCURRPHASEAB ON

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

Code File(s) Version:2
Module Design Document: CmMtrCurr_MDD.docx
Module Design Document Version:2
Data Dictionary Version:2
Unit Test Plan Version:2
Optimization Level: Level 2
Compiler (CodeGen) Version:TMS470_4.9.5
Model Type: Excel Macro
Model Version: Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.32
Total FLASH Used (Bytes):3176
Total RAM Used (Bytes):130
Total CALS Used (Bytes):46
Special Test Requirements:NA
Test Date: 7/23/2016

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

Note2:- ""CBD_Sandbox_dbg.map"" map file is embedded for reference.

Note3:-In function ""CmMtrCurr_Per3"" some variables are going out of range for some vectors,accepted by devloper variables are :-MtrCurr2SumHi_Volt_M_f32 , VecuSum_Volt_M_f32 , MtrCurr1SumLo_Volt_M_f32, MtrCurr2SumLo_Volt_M_f32, MtrCurr1SumZero_Volt_M_f32,MtrCurr2SumZero_Volt_M_f32, CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 .

Note4:-In function CurrDQPer1(), variables 'MtrCurrK1_Amps_f32' and 'MtrCurrK2_Amps_f32' are going to very large values."

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Time Unit	cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



Test Case 1: Metrics Test

Specification

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

TC1.1 778.00 Cycles TC1.2 839.00 Cycles

Description

VECTOR DESCRIPTION:

TS1.1 Shortest Execution Path==> ((Abs_f32_m(MtrVel_MtrRadpS_T_f32) < k_MaxCurrOffMtrVel_RadpS_f32) = FALSE && (CmMtrCurr_CurrentGainSvc_Cnt_M_lgc == TRUE) = False)
TS1.2 "Longest Execution Path==> ((Abs_f32_m(MtrVel_MtrRadpS_T_f32) < k_MaxCurrOffMtrVel_RadpS_f32) = True && (CmMtrCurr_CurrentGainSvc_Cnt_M_lgc == TRUE) = True);
(VehSpd_Kph_T_f32 < FLT_EPSILON) = True && (VhSpdValid_T_Cnt_lgc == TRUE) = True;
(MtrCurr2Gain_AmpspVolt_T_f32 >= k_MtrCurrEOLMinGain_AmpspVolts_f32) = True && (MtrCurr2Gain_AmpspVolt_T_f32 <= k_MtrCurrEOLMaxGain_AmpspVolts_f32) = True && (MtrCurr1Gain_AmpspVolt_T_f32 <= k_MtrCurrEOLMinGain_AmpspVolts_f32) = True && (MtrCurr1Gain_AmpspVolt_T_f32 <= k_MtrCurrEOLMaxGain_AmpspVolts_f32) False"

Test Step 1.1 (Repeat Count = 1)			✓
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	0		
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	3.15951061		
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	2.61391854		
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.28594756		
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.13913393		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_Mt	rVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_Ve	hSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_Vh	SpdValid_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	31.9035587		
k_MaxCurrOffMtrVel_RadpS_f32	-10.8761864		
k_MtrCurrEOLMaxGain_AmpspVolts_f32	25.1560555		
k_MtrCurrEOLMinGain_AmpspVolts_f32	23.0745354		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	54.4717789		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	39.4476624		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	-1118		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	1.42092897e-008		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	0		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	34	34	✓
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	54.4717789	54.4717789	✓
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	39.4476624	39.4476624	✓

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	•

Name	Input Value
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	1.94878829
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	0.354222178
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	3
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.81953025
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data
k_CurrGainNumerator_Amps_f32	68.7071075
k_MaxCurrOffMtrVel_RadpS_f32	13.807971
k_MtrCurrEOLMaxGain_AmpspVolts_f32	50
k_MtrCurrEOLMinGain_AmpspVolts_f32	30
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	103.155792
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	41.77005
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	12
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	1.92092902e-008

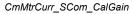
TEST DETAILS REPORT

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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

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

CPU Cycles:

778.00 Cycles
779.00 Cycles
820.00 Cycles
781.00 Cycles
788.00 Cycles
777.00 Cycles
779.00 Cycles TC2.2 TC2.3 TC2.4 TC2.5 TC2.6 TC2.7 TC2.8 TC2.10 TC2.11 TC2.14 TC2.15 TC2.16 TC2.17 TC2.18 779.00 Cycles
820.00 Cycles
827.00 Cycles
819.00 Cycles
819.00 Cycles
819.00 Cycles
818.00 Cycles
818.00 Cycles
837.00 Cycles
839.00 Cycles
824.00 Cycles
819.00 Cycles
819.00 Cycles
818.00 Cycles
818.00 Cycles
818.00 Cycles
818.00 Cycles
831.00 Cycles
831.00 Cycles
831.00 Cycles
831.00 Cycles
831.00 Cycles TC2.18 TC2.19 TC2.20 TC2.21 TC2.22 TC2.23 TC2.24 TC2.24 TC2.25 TC2.26 TC2.27 TC2.28 TC2.29 TC2.30 TC2.31 TC2.32 TC2.33 TC2.34 TC2.35 TC2.36 TC2.37 819.00 Cycles 824.00 Cycles 819.00 Cycles TC2.38 TC2.39 TC2.40 818.00 Cycles 818.00 Cycles 824.00 Cycles 790.00 Cycles 895.00 Cycles TC2.41 TC2.42 TC2.43 TC2.44 TC2.45 888.00 Cycles 789.00 Cycles 790.00 Cycles

Description

VECTOR DESCRIPTION:

TS2.1All Min

TS2.2All Max TS2.3MtrVel_MtrRadpS_f32==>Min

TS2.4MtrVel_MtrRadpS_f32==>Max TS2.5MtrVel_MtrRadpS_f32==>Pos

TS2.5MtrVel_MtrRadpS_f32==>Pos
TS2.6MtrVel_MtrRadpS_f32==>Pos
TS2.6MtrVel_MtrRadpS_f32==>Neg
TS2.7MtrVel_MtrRadpS_f32==>Neg
TS2.8VehSpd_Kph_f32==>Min
TS2.9VehSpd_Kph_f32==>Max
TS2.10VehSpd_Kph_f32==>Pos
TS2.11CurrentGainSvc_Cnt_M_lgc==>Min
TS2.12CurrentGainSvc_Cnt_M_lgc==>Max
TS2.13CurrentGainSvc_Cnt_M_lgc==>Pos
TS2.14k_MaxCurrOffMtrVel_RadpS_f32==>Min
TS2.15k_MaxCurrOffMtrVel_RadpS_f32==>Max
TS2.16k_MaxCurrOffMtrVel_RadpS_f32==>Pos
TS2.17k_MaxCurrOffMtrVel_RadpS_f32==>Pos
TS2.18k_MaxCurrOffMtrVel_RadpS_f32==>Neg
TS2.19k_MaxCurrOffMtrVel_RadpS_f32==>Neg
TS2.19k_MaxCurrOffMtrVel_RadpS_f32==>Neg
TS2.19k_MaxCurrOffMtrVel_RadpS_f32==>Default
TS2.20k_CurrGainNumerator_Amps_f32==>Min

TS2.20k_CurrGainNumerator_Amps_f32==>Min TS2.21k_CurrGainNumerator_Amps_f32==>Max TS2.22k_CurrGainNumerator_Amps_f32==>Pos

TS2.22k_CurrGainNumerator_Amps_f32==>Pos
TS2.23k_CurrGainNumerator_Amps_f32==>Default
TS2.24FiitMtrCurr1_Volts_M_f32==>Min
TS2.25FiitMtrCurr1_Volts_M_f32==>Pos
TS2.26FiitMtrCurr2_Volts_M_f32==>Min
TS2.28FiitMtrCurr2_Volts_M_f32==>Max

TS2.29FiltMtrCurr2_Volts_M_f32==>Pos TS2.30MtrCurr1OffsetZero_Volts_M_f32==>Min TS2.31MtrCurr1OffsetZero_Volts_M_f32==>Max

TS2.32MtrCurr1OffsetZero_Volts_M_f32==>Pos TS2.33MtrCurr2OffsetZero_Volts_M_f32==>Min TS2.34MtrCurr2OffsetZero_Volts_M_f32==>Max

TS2.354MtCurr2OffsetZero_Volts_M_f32==>Mix
TS2.35MtrCurr2OffsetZero_Volts_M_f32==>Pos
TS2.36k_MtrCurrEOLMinGain_AmpspVolts_f32==>Mix
TS2.37k_MtrCurrEOLMinGain_AmpspVolts_f32==>Max
TS2.38k_MtrCurrEOLMinGain_AmpspVolts_f32==>Pos

TS2.39k_MtrCurrEOLMinGain_AmpspVolts_f32==>Default TS2.40k_MtrCurrEOLMaxGain_AmpspVolts_f32==>Min TS2.41k_MtrCurrEOLMaxGain_AmpspVolts_f32==>Max

TS2.42k_MtrCurrEOLMaxGain_AmpspVolts_f32==>Pos TS2.43k_MtrCurrEOLMaxGain_AmpspVolts_f32==>Default

TS2.44VhSpdValid_Cnt_lgc==>True

TS2.45VhSpdValid_Cnt_lgc==>False

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Test Step 2.1 (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	0			
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	0			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_	MtrVel_MtrRadpS_f32_data		
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_	VehSpd_Kph_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data		
k_CurrGainNumerator_Amps_f32	10	10		
k_MaxCurrOffMtrVel_RadpS_f32	-20			
k_MtrCurrEOLMaxGain_AmpspVolts_f32	20			
k_MtrCurrEOLMinGain_AmpspVolts_f32	20			
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	20			
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	20			
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal			
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	-1118			
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	0			
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	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	✓	

Τ				
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	~
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~

Test Step 2.2 (Repeat Count = 1)			~	
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1			
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_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_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_lgc_data	1			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_SCom_CalGain()	34	34	·	
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	125	125	✓	
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	125	125	✓	

Τ				
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	•
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	•



Test Step 2.3 (Repeat Count = 1)			✓	
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	0			
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	3.15951061			
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	2.61391854			
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.28594756			
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.13913393			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_N	/trVel_MtrRadpS_f32_data		
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_V	/ehSpd_Kph_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_V	/hSpdValid_Cnt_lgc_data		
k_CurrGainNumerator_Amps_f32	31.9035587	31.9035587		
k_MaxCurrOffMtrVel_RadpS_f32	-10.8761864			
k_MtrCurrEOLMaxGain_AmpspVolts_f32	25.1560555	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	✓	

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 2.4 (Repeat Count = 1)			✓	
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1	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_Mtrl	RadpS_f32_data		
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kp	h_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid	_Cnt_lgc_data		
k_CurrGainNumerator_Amps_f32	89.952034			
k_MaxCurrOffMtrVel_RadpS_f32	-5.40126753	-5.40126753		
k_MtrCurrEOLMaxGain_AmpspVolts_f32	122.265915			
k_MtrCurrEOLMinGain_AmpspVolts_f32	123.037086			
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	20			
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	89.4126968			
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal			
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	1118			
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	1.32092897e-008			
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1	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	✓	

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 2.5 (Repeat Count = 1)			✓	
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	0	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_N	ftrVel_MtrRadpS_f32_data		
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_V	ehSpd_Kph_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_V	hSpdValid_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	✓	

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	~
Rte Read Sa CmMtrCurr VhSpdValid Cnt Igc	1	Rte Read Sa CmMtrCurr VhSpdValid Cnt Igc	1	~

Test Step 2.6 (Repeat Count = 1)			4
	Innut Value		Ť
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1		
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	0.186926723		
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	0.337590337		
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1.16958308		
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrR	adpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph	n_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_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_lgc_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	~

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 2.7 (Repeat Count = 1)			✓	
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	0	0		
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	4.75539064			
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	5			
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	3			
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.76694405			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_N	MtrVel_MtrRadpS_f32_data		
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_\	/ehSpd_Kph_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_\	/hSpdValid_Cnt_lgc_data		
k_CurrGainNumerator_Amps_f32	65.2313766			
k_MaxCurrOffMtrVel_RadpS_f32	-11.6234684			
k_MtrCurrEOLMaxGain_AmpspVolts_f32	69.7472534			
k_MtrCurrEOLMinGain_AmpspVolts_f32	41.77005			
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	115.94371			
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	20			
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal			
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	-286.100006			
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	1.02092894e-008			
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	0			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_SCom_CalGain()	34	34	✓	
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	115.94371	115.94371	✓	
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 2.8 (Repeat Count = 1)			✓	
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1	1		
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	4.31525755			
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	1.4392966			
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	3			
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_	_MtrVel_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 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	✓

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	~
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~

Test Step 2.10 (Repeat Count = 1)			J
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 M	Atrivel MtrRados f32 data	
Rte Read Sa CmMtrCurr VehSpd Kph f32(data)	tgt Rte Read Sa CmMtrCurr V	_	
Rte Read Sa CmMtrCurr VhSpdValid Cnt Iqc(data)	tgt Rte Read Sa CmMtrCurr V		
k CurrGainNumerator Amps f32	87.3520889	riispuvaliu_ciii_igc_uata	
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_132	31.6057796		
tgt Rte Inst Sa CmMtrCurr.Pim ShCurrCal	tgt Pim ShCurrCal		
	0		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	13		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	112.221352		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	21	21	~
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	33.0467796	33.0467796	~
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	31.6057796	31.6057796	✓

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 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_	tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data		
k_CurrGainNumerator_Amps_f32	18.8776169	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	~	

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	~
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~

Test Step 2.12 (Repeat Count = 1)			✓	
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1	1		
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	4.34404659			
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	0.817958236			
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1.36003387			
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.59666729			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_N	/trVel_MtrRadpS_f32_data		
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_\	/ehSpd_Kph_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_\	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data		
k_CurrGainNumerator_Amps_f32	45.8946037	45.8946037		
k_MaxCurrOffMtrVel_RadpS_f32	6.0018301			
k_MtrCurrEOLMaxGain_AmpspVolts_f32	42.0015259			
k_MtrCurrEOLMinGain_AmpspVolts_f32	39.4476624			
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	104.513512			
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	58.6394958			
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal			
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	5			
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	31.509201			
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_SCom_CalGain()	21	21	~	
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	104.513512	104.513512	✓	
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	58.6394958	58.6394958	*	

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 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_N	MtrVel_MtrRadpS_f32_data		
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_\	/ehSpd_Kph_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_\	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data		
k_CurrGainNumerator_Amps_f32	84.8754425	84.8754425		
k_MaxCurrOffMtrVel_RadpS_f32	14.3808813	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	✓	

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	~
Rte Read Sa CmMtrCurr VhSpdValid Cnt Igc	1	Rte Read Sa CmMtrCurr VhSpdValid Cnt Igc	1	~

Test Step 2.14 (Repeat Count = 1)			✓	
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	0	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_MtrF	RadpS_f32_data		
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kp	h_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data		
k_CurrGainNumerator_Amps_f32	34.4000244	34.4000244		
k_MaxCurrOffMtrVel_RadpS_f32	-20	-20		
k_MtrCurrEOLMaxGain_AmpspVolts_f32	69.7639389			
k_MtrCurrEOLMinGain_AmpspVolts_f32	25.273819			
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	62.5700874			
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	122.058647			
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal			
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	-1044.89429			
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	204.108109			
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_SCom_CalGain()	34	34	✓	
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	62.5700874	62.5700874	✓	
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	122.058647	122.058647	✓	

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	•
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~



CmMtrCurr_SCom_CalGain Test Step 2.15 (Repeat Count = 1) Name Input Value CmMtrCurr CurrentGainSvc Cnt M lgc

CmMtrCurr_CurrentGainSvc_Cnt_iw_igc	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_MtrR	adpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kpt	n_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	~

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	~
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~

Test Step 2.16 (Repeat Count = 1)			✓	
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	0	0		
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	3.30681849			
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	1.26103485			
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1.50823259			
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.98266852			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_MtrVe	el_MtrRadpS_f32_data		
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_VehS	pd_Kph_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSp	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data		
k_CurrGainNumerator_Amps_f32	46.0540466	46.0540466		
k_MaxCurrOffMtrVel_RadpS_f32	16.4224472	16.4224472		
k_MtrCurrEOLMaxGain_AmpspVolts_f32	36.7433815			
k_MtrCurrEOLMinGain_AmpspVolts_f32	25.7839298			
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	37.7828598			
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	80.8725357			
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal			
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	-305.718506			
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	102.810776			
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_SCom_CalGain()	34	34	~	
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	37.7828598	37.7828598	✓	
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	80.8725357	80.8725357	✓	

Т					
Actual Function	Count	Expected Function	Count	Result	
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	~	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~	

tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32

CmMtrCurr_SCom_CalGain



Name	Input Value			
CmMtrCurr CurrentGainSvc Cnt M Igc	1	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_	tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data		
k_CurrGainNumerator_Amps_f32	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	Resul	
CmMtrCurr_SCom_CalGain()	34	34	•	
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	37.4088211	37.4088211		

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	~

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20.5383587

Test Step 2.18 (Repeat Count = 1)			a
	Innut Value		·
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	0		
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	3.89574933		
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	3.03691816		
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.95817947		
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.86018288		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrR	adpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kpl	n_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_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_lgc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	34	34	~
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	74.0303192	74.0303192	~
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	85.5710297	85.5710297	-

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	•

 $tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32$

tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32

CmMtrCurr_SCom_CalGain



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80.8725357



Test Step 2.19 (Repeat Count = 1)			V
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_MtrR	adpS_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	~

T and the second se					
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	~	

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Test Step 2.20 (Repeat Count = 1)			J.
	Inner A Males		_
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	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_MtrF	adpS_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	11.5441637		
k_MtrCurrEOLMaxGain_AmpspVolts_f32	92.1178284		
k_MtrCurrEOLMinGain_AmpspVolts_f32	31.6057796		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	93.8062134		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	41.77005		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	11		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	1.92092902e-008		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	20	20	~
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	93.8062134	93.8062134	-
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	41.77005	41.77005	-

Т					
Actual Function	Count	Expected Function	Count	Result	
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	~	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~	



Test Step 2.21 (Repeat Count = 1)			✓	
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1	1		
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	0.390951276			
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	3.6404748			
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1.14026868			
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.44701993			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_N	/trVel_MtrRadpS_f32_data		
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_V	/ehSpd_Kph_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_V	/hSpdValid_Cnt_lgc_data		
k_CurrGainNumerator_Amps_f32	100	100		
k_MaxCurrOffMtrVel_RadpS_f32	13			
k_MtrCurrEOLMaxGain_AmpspVolts_f32	102.015366			
k_MtrCurrEOLMinGain_AmpspVolts_f32	30.4687443			
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	62.5700874			
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	66.9764252			
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal			
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	12			
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	1.82092901e-008			
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_SCom_CalGain()	20	20	✓	
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	62.5700874	62.5700874	✓	
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	66.9764252	66.9764252	✓	

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	~
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	-

Test Step 2.22 (Repeat Count = 1)				
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1	1		
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	0.943365812			
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	0.601289749			
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	3			
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.96839261			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_	MtrVel_MtrRadpS_f32_data		
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_	VehSpd_Kph_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data		
k_CurrGainNumerator_Amps_f32	71.7374725	71.7374725		
k_MaxCurrOffMtrVel_RadpS_f32	10			
k_MtrCurrEOLMaxGain_AmpspVolts_f32	25.501339			
k_MtrCurrEOLMinGain_AmpspVolts_f32	58.6394958			
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	21.7275562			
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	92.6149826			
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal			
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	9			
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	1.720929e-008			
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_SCom_CalGain()	20	20	•	
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	21.7275562	21.7275562	•	
tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32	92.6149826	92.6149826	•	

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

2016-07-24, 11:56:48+0530



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



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_I	MtrVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_\	/ehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_\	/hSpdValid_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	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	

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 2.26 (Repeat Count = 1)			✓
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	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_MtrF	RadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kp	h_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_	_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	99.3749237		
k_MaxCurrOffMtrVel_RadpS_f32	12		
k_MtrCurrEOLMaxGain_AmpspVolts_f32	124.75901		
k_MtrCurrEOLMinGain_AmpspVolts_f32	125		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	74.0303192		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	39.4476624		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	9		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	1.720929e-008		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	20	20	~
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	74.0303192	74.0303192	✓
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	39.4476624	39.4476624	~

Τ							
Actual Function	Count	Expected Function	Count	Result			
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~			
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	•			
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~			



Test Step 2.27 (Repeat Count = 1)			✓
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1		
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	5		
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	0		
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1.04084432		
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_I	MtrVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_\	VehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_\	VhSpdValid_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	97.881012		
k_MaxCurrOffMtrVel_RadpS_f32	6.55960798		
k_MtrCurrEOLMaxGain_AmpspVolts_f32	102.735748		
k_MtrCurrEOLMinGain_AmpspVolts_f32	80.8725357		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	103.155792		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	89.4126968		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	6.23000002		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	1.52092898e-008		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	20	20	✓
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	103.155792	103.155792	✓
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	89.4126968	89.4126968	<u> </u>

Τ					
Actual Function	Count	Expected Function	Count	Result	
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	~	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	-	

Test Step 2.28 (Repeat Count = 1)			•
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1		
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	1.35675466		
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	5		
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	3		
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.22144949		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_Mt	trVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_Ve	ehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_Vh	nSpdValid_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	89.2937164		
k_MaxCurrOffMtrVel_RadpS_f32	16.8791161		
k_MtrCurrEOLMaxGain_AmpspVolts_f32	38.7834282		
k_MtrCurrEOLMinGain_AmpspVolts_f32	20.5383587		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	25.327858		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	25.273819		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	16		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	1.42092897e-008		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	20	20	•
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	25.327858	25.327858	•
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_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	•		



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_Mtr	Vel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_Veh	nSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhS	SpdValid_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	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	

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 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_M	trVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_V	ehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_V	nSpdValid_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	69.2344742		
k_MaxCurrOffMtrVel_RadpS_f32	15.1930275		
k_MtrCurrEOLMaxGain_AmpspVolts_f32	89.7380981		
k_MtrCurrEOLMinGain_AmpspVolts_f32	99.2575531		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	100.245132		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	20		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	15.1199999		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	1.82092901e-008		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	20	20	•
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	100.245132	100.245132	•
tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32	20	20	•

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 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_I	MtrVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_\	/ehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_\	/hSpdValid_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	51.557972		
k_MaxCurrOffMtrVel_RadpS_f32	2.55310059		
k_MtrCurrEOLMaxGain_AmpspVolts_f32	118.490364		
k_MtrCurrEOLMinGain_AmpspVolts_f32	61.2193489		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	104.871002		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	125		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	2.2999995		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	1.720929e-008		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	20	20	~
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	104.871002	104.871002	✓
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	125	125	✓

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 2.32 (Repeat Count = 1)			J.
	Innut Value		·
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1		
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	1.39182651		
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	1.50744832		
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1.62973619		
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.21551538		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrR	adpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kpl	n_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_	_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	24.2459946		
k_MaxCurrOffMtrVel_RadpS_f32	11.6354561		
k_MtrCurrEOLMaxGain_AmpspVolts_f32	73.9438934		
k_MtrCurrEOLMinGain_AmpspVolts_f32	80.1448822		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	54.4717789		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	31		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	11		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	1.52092898e-008		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	20	20	~
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	54.4717789	54.4717789	✓
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 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_I	MtrVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_\	/ehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_\	/hSpdValid_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	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	✓

Τ						
Actual Function	Count	Expected Function	Count	Result		
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~		
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	~		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~		

Test Step 2.34 (Repeat Count = 1)			J.
Name	Innut Value		·
	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1		
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	0.411308885		
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	0.266846538		
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	3		
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	5		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrR	adpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kpl	n_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_	_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	65.7517548		
k_MaxCurrOffMtrVel_RadpS_f32	15		
k_MtrCurrEOLMaxGain_AmpspVolts_f32	61.3199501		
k_MtrCurrEOLMinGain_AmpspVolts_f32	90.8617935		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	125		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	30.4687443		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	14		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	1.82092901e-008		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	20	20	~
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	125	125	~
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	30.4687443	30.4687443	~

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 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_M	/trVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_V	/ehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_V	hSpdValid_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	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	✓

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 2.36 (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_MtrV	el_MtrRadpS_f32_data		
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_VehS	Spd_Kph_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSp	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data		
k_CurrGainNumerator_Amps_f32	43.4224968	43.4224968		
k_MaxCurrOffMtrVel_RadpS_f32	2.10008311			
k_MtrCurrEOLMaxGain_AmpspVolts_f32	53			
k_MtrCurrEOLMinGain_AmpspVolts_f32	20			
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	115.94371			
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	28.1946735			
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal			
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	2			
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	1.720929e-008			
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1			
Name	Actual Value	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	✓	

Τ					
Actual Function	Count	Expected Function	Count	Result	
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	•	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	•	

tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32

CmMtrCurr_SCom_CalGain



Test Step 2.37 (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_N	/trVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_V	/ehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_V	/hSpdValid_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	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	✓

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	~
Rte Read Sa CmMtrCurr VhSpdValid Cnt Igc	1	Rte Read Sa CmMtrCurr VhSpdValid Cnt Igc	1	~

27.0576382

27.0576382

Test Step 2.38 (Repeat Count = 1)			9
	Innut Value		Ť
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1		
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	4.94060135		
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	2.25965905		
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	5		
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.89822912		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrR	adpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kpl	n_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_	_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	56.0292397		
k_MaxCurrOffMtrVel_RadpS_f32	0.77640003		
k_MtrCurrEOLMaxGain_AmpspVolts_f32	85.7566376		
k_MtrCurrEOLMinGain_AmpspVolts_f32	59.6098213		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	64.1647263		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	25.9206028		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	0		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	1.92092902e-008		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	20	20	~
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	64.1647263	64.1647263	~
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	25.9206028	25.9206028	-

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	~		



Name XW 9DOXH	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	CmMtrCurr_CurrentGainSvc_Cr	t_M_lgc	
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_N	/trVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_\	/ehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_\	/hSpdValid_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	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		
	Actual Value	Expected Value	Resul
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	•

Т					
Actual Function	Count	Expected Function	Count	Result	
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	~	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~	



Test Step 2.41 (Repeat Count = 1)			✓
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	

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	~
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~

Test Step 2.42 (Repeat Count = 1)			
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	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_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_	VhSpdValid_Cnt_lgc_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_lgc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	20	20	•
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	104.513512	104.513512	•
tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32	22.5094967	22.5094967	•

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 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	✓

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	~
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~

Test Step 2.44 (Repeat Count = 1)			✓
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1		
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	4.94060135		
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	2.25965905		
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	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_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdV	/alid_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	56.0292397		
k_MaxCurrOffMtrVel_RadpS_f32	0.77640003		
k_MtrCurrEOLMaxGain_AmpspVolts_f32	85.7566376		
k_MtrCurrEOLMinGain_AmpspVolts_f32	61		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	64.1647263		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	25.9206028		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	0		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	1.92092902e-008		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1		
Name	Actual Value	Expected Value	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	✓

Τ				✓
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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Test Step 2.45 (Repeat Count = 1)			9
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	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_MtrR	adpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kpl	n_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_	_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	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	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	✓
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~



Test Case 3: Path Test Performance Metrics : [With "None" Instrumentation and WithPS Environment] Specification CPU Cycles: 778.00 Cycles 1098.00 Cycles TC3.2 1098.00 Cycles 788.00 Cycles 824.00 Cycles 1097.00 Cycles 781.00 Cycles 818.00 Cycles 831.00 Cycles 838.00 Cycles 839.00 Cycles TC3.2 TC3.3 TC3.4 TC3.5 TC3.6 TC3.7 TC3.8 TC3.9 TC3.10 TC3.11 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 (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_MtrCurrEOLMaxGain_AmpspVolts_f32))=True" TS3.3(VehSpd_Kph_T_f32 < FLT_EPSILON)=False TS3.4"((MtrCurr2Gain_AmpspVolt_T_f32 <= k_MtrCurrEOLMinGain_AmpspVolts_f32))=True" TS3.3(VehSpd_Kph_T_f32 < FLT_EPSILON)=False TS3.4"((MtrCurr2Gain_AmpspVolt_T_f32 >= k_MtrCurrEOLMinGain_AmpspVolts_f32) ==>False&& (MtrCurr1Gain_AmpspVolt_T_f32 <= k_MtrCurrEOLMinGain_AmpspVolts_f32) ==>False&& (MtrCurr1Gain_AmpspVolt_T_f32 <= k_MtrCurrEOLMinGain_AmpspVolts_f32))=False" TS3.5"((Abs_f32_m(MtrVel_MtrRadpS_T_f32) < k_MaxCurrOffMtrVel_RadpS_f32)=True && (CmMtrCurr_CurrentGainSvc_Cnt_M_lgc == TRUE)==>False)==>False TS3.1"((Abs_f32_m(MtrVel_MtrRadpS_T_f32) < k_MaxCurrOffMtrVel_RadpS_f32) && (Toutcutonious := Mes_Orin_T_enum)=raise) TS3.6if ((Abs_f32_m(MtrVel_MtrRadpS_T_f32) < k_MaxCurrOffMtrVel_RadpS_f32)==>True && (CmMtrCurr_CurrentGainSvc_CntTRUE)==>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))" TS3.9''((MtrCurr2Gain_AmpspVolt_T_f32 >= k_MtrCurrEOLMinGain_AmpspVolts_f32))" TS3.9''((MtrCurr2Gain_AmpspVolt_T_f32 >= k_MtrCurrEOLMinGain_AmpspVolts_f32) ==>True && (MtrCurr1Gain_AmpspVolt_T_f32 <= k_MtrCurrEOLMaxGain_AmpspVolts_f32) ==>False && (MtrCurr1Gain_AmpspVolt_T_f32 >= k_MtrCurrEOLMinGain_AmpspVolts_f32))" TS3.10''((MtrCurr2Gain_AmpspVolt_T_f32 >= k_MtrCurrEOLMaxGain_AmpspVolts_f32) ==>True && (MtrCurr1Gain_AmpspVolt_T_f32 <= k_MtrCurrEOLMaxGain_AmpspVolts_f32) ==>True && (MtrCurr2Gain_AmpspVolt_T_f32 <= k_MtrCurrEOLMinGain_AmpspVolts_f32) ==>True && (MtrCurr1Gain_AmpspVolt_T_f32 <= k_MtrCurrEOLMaxGain_AmpspVolts_f32) ==>True && (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)=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	

TS3.12 [Abs_f32_m(CmMtrCurr_FiltMtrCurr1_Volt_M_f32 - CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32) > FLT_EPSILON)=false



T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	-
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	-
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	·

Test Step 3.2 (Repeat Count = 1)			✓
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1		
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	1.94878829		
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	0.354222178		
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	3		
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.81953025		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_MtrV	/el_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_Veh	Spd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhS	pdValid_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	

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	~
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~
Rte_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	~



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_N	/trVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_\	/ehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_\	/hSpdValid_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	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_I	MtrVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_'	VehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_	VhSpdValid_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	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 3.6 (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	~

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	~
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~

Test Step 3.7 (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_N	/trVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_\	/ehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_\	/hSpdValid_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	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	✓



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	•
Dt- Dd O- O-Mt-O \/l-O-d\/-lid O-t l	4	Dts Dand On Orah Marchana Marchallad Orah Inn	4	

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_M	ltrVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_V	ehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_V	hSpdValid_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	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_M	ltrVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_V	ehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_V	hSpdValid_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	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	✓



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	~
Dto Dood Co ConMtrCurr \/bCnd\/olid Cnt loo	4	Die Dood Co Cool Marchag McCool (olid Cot Inc	4	

Test Step 3.10 (Repeat Count = 1)			✓
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1		
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	0.390951276		
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	3.6404748		
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1.14026868		
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.44701993		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_Mtr	Vel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_Vel	hSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_Vh	SpdValid_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	100		
k_MaxCurrOffMtrVel_RadpS_f32	13		
k_MtrCurrEOLMaxGain_AmpspVolts_f32	102.015366		
k_MtrCurrEOLMinGain_AmpspVolts_f32	30.4687443		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	62.5700874		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	66.9764252		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	12		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	1.82092901e-008		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_SCom_CalGain()	20	20	✓
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	62.5700874	62.5700874	✓
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_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	✓

Test Step 3.11 (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		
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_M	ltrVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_V	ehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_V	hSpdValid_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	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	_

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Τ				✓
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	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_M	trVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_Ve	ehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_V	hSpdValid_Cnt_lgc_data	
k_CurrGainNumerator_Amps_f32	68.7071075		
k_MaxCurrOffMtrVel_RadpS_f32	13.807971		
k_MtrCurrEOLMaxGain_AmpspVolts_f32	50	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	~

Τ			✓	
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	-

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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)\NxtrLib\include -I\$(PROJECTROOT) \StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtrLib\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)\NxtrLib\include -I\$(PROJECTROOT) \StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Spe	ecification
Name	Text



Module 'CmMtrCurr MTRCURRPHASEAB ON

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

Code File(s) Version:2
Module Design Document: CmMtrCurr_MDD.docx
Module Design Document Version:2
Data Dictionary Version:2
Unit Test Plan Version:2
Optimization Level: Level 2
Compiler (CodeGen) Version:TMS470_4.9.5
Model Type: Excel Macro
Model Version: Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.32
Total FLASH Used (Bytes):3176
Total RAM Used (Bytes):130
Total CALS Used (Bytes):46
Special Test Requirements:NA
Test Date: 7/23/2016

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

Note2:- ""CBD_Sandbox_dbg.map"" map file is embedded for reference.

Note3:-In function ""CmMtrCurr_Per3"" some variables are going out of range for some vectors,accepted by devloper variables are :MtrCurr2SumHi_Volt_M_f32 , VecuSum_Volt_M_f32 , MtrCurr1SumLo_Volt_M_f32, MtrCurr2SumLo_Volt_M_f32,
MtrCurr1SumZero_Volt_M_f32,MtrCurr2SumZero_Volt_M_f32, CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 .

Note4:-In function CurrDQPer1(), variables 'MtrCurrK1_Amps_f32' and 'MtrCurrK2_Amps_f32' are going to very large values."

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Time Unit	cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



Test Case 1: Metrics Test

Specification

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

TS1.1 2382.00cycles TS1.2 2244.00cycles

Description VECTOR DESCRIPTION:

 $TS1.1 \quad Shortest \ Execution \ Path==> (\ Abs_f32_m(FiltCurrCorrDiag_Amps_T_f32) > k_CurrCorrErrThresh_Amps_f32) = True \\ TS1.2 \quad Longest \ Execution \ Path==> (\ Abs_f32_m(FiltCurrCorrDiag_Amps_T_f32) > k_CurrCorrErrThresh_Amps_f32) = False \\ TS1.2 \quad Longest \ Execution \ Path==> (\ Abs_f32_m(FiltCurrCorrDiag_Amps_T_f32) > k_CurrCorrErrThresh_Amps_f32) = False \\ Longest \ Execution \ Path==> (\ Abs_f32_m(FiltCurrCorrDiag_Amps_T_f32) > k_CurrCorrErrThresh_Amps_f32) = False \\ Longest \ Execution \ Path==> (\ Abs_f32_m(FiltCurrCorrDiag_Amps_T_f32) > k_CurrCorrErrThresh_Amps_f32) = False \\ Longest \ Execution \ Path==> (\ Abs_f32_m(FiltCurrCorrDiag_Amps_T_f32) > k_CurrCorrErrThresh_Amps_f32) = False \\ Longest \ Execution \ Path==> (\ Abs_f32_m(FiltCurrCorrDiag_Amps_T_f32) > k_CurrCorrErrThresh_Amps_f32) = False \\ Longest \ Execution \ Path==> (\ Abs_f32_m(FiltCurrCorrDiag_Amps_T_f32) > k_CurrCorrErrThresh_Amps_f32) = False \\ Longest \ Execution \ Path==> (\ Abs_f32_m(FiltCurrCorrDiag_Amps_T_f32) > k_CurrCorrErrThresh_Amps_f32) = False \\ Longest \ Execution \ Path==> (\ Abs_f32_m(FiltCurrCorrDiag_Amps_T_f32) > k_CurrCorrErrThresh_Amps_f32) = False \\ Longest \ Execution \ Path==> (\ Abs_f32_m(FiltCurrCorrDiag_Amps_T_f32) > k_CurrCorrErrThresh_Amps_f32) = False \\ Longest \ Execution \ Path==> (\ Abs_f32_m(FiltCurrCorrDiag_Amps_T_f32) > k_CurrCorrErrThresh_Amps_f32) = False \\ Longest \ Execution \ Path==> (\ Abs_f32_m(FiltCurrCorrDiag_Amps_T_f32) > k_CurrCorrErrThresh_Amps_f32) = False \\ Longest \ Execution \ Path==> (\ Abs_f32_m(FiltCurrCorrDiag_Amps_T_f32) > k_CurrCorrErrThresh_Amps_f32) = False \\ Longest \ Execution \ Path==> (\ Abs_f32_m(FiltCurrCorrDiag_Amps_T_f32) > k_CurrCorrErrThresh_Amps_f32) = False \\ Longest \ Execution \ Path==> (\ Abs_f32_m(FiltCurrCorrDiag_Amps_T_f32) > k_CurrCorrErrThresh_Amps_f32) = False \\ Longest \ Execution \ Path==> (\ Abs_f32_m(FiltCurrCorrDiag_Amps_T_f32) > k_CurrCorrErrThresh_Amps_F32) = False \\ Longest \ Execution \ Path==> (\ Abs_f32_m(FiltCurrCorrDiag_Amps$

Test Step 1.1 (Repeat Count = 1) ✓					
Name	Input Value				
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	53.1758				
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.0476	0.0476			
CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29	1610612736				
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	2684354560				
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr				
k_CurrCorrErrThresh_Amps_f32	1.511616647				
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	-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_f	32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f	32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_I	Rev_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f3	2			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32				
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32				
Name	Actual Value	Expected Value	Result		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	42.1503754	42.15037364 ± 0.001	~		
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	2.09985352	2.099853516 ± 32	~		
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	3.79187012	3.791870117 ± 32	~		
CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29	1127350984	1127350984 ± 1	~		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	2035759488	2035759488 ± 1	~		
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	~		
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~		
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	•		

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 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_MtrCurr1LpFltrSV_Volt_M_u3p29	536870912
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1610612736
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
k_CurrCorrErrThresh_Amps_f32	43.4733122
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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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_MtrCurr1LpFltrSV_Volt_M_u3p29	521178089	521178089 ± 1	~
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1176630504	1176630504 ± 1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~

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

Description

VECTOR DECRIPTION:

TS2.1 All Min

TS2.2 All Max

TS2.3 MtrCurrAngle_Rev_f32==>Min TS2.4 MtrCurrAngle_Rev_f32==>Max TS2.5 MtrCurrAngle_Rev_f32==>Pos

TS2.6 CorrMtrPosElec_Rev_f32==>Min TS2.7 CorrMtrPosElec_Rev_f32==>Max TS2.8 CorrMtrPosElec_Rev_f32==>Pos

TS2.9 MtrCurrK1_Amp_f32==>Min TS2.10 MtrCurrK1_Amp_f32==>Max TS2.11 MtrCurrK1_Amp_f32==>Pos

TS2.12 MtrCurrK1_Amp_f32==>Zero

TS2.13 MtrCurrK1_Amp_f32==>Neg TS2.14 MtrCurrK2_Amp_f32==>Min

TS2.15 MtrCurrK2_Amp_f32==>Max
TS2.16 MtrCurrK2_Amp_f32==>Pos
TS2.17 MtrCurrK2_Amp_f32==>Zero

TS2.17 MtrCurrK2_Amp_132==>Zero
TS2.18 MtrCurrK2_Amp_132==>Neg
TS2.19 ADCMtrCurr1_Volts_132==>Min
TS2.20 ADCMtrCurr1_Volts_132==>Max
TS2.21 ADCMtrCurr1_Volts_132==>Pos
TS2.22 ADCMtrCurr2_Volts_132==>Min
TS2.23 ADCMtrCurr2_Volts_132==>Max
TS2.24 ADCMtrCurr2_Volts_132==>Pos
TS2.25 MtrCurr1_Volts_132==>Pos
TS2.26 MtrCurr1_Volts_132==>Pos
TS2.27 MtrCurr1_PFltrSV_Volts_M_u3p29==>Min
TS2.28 MtrCurr1LpFltrSV_Volts_M_u3p29==>Pos
TS2.28 k_CurrOffGainKn_Cnt_u16==>Min
TS2.29 k_CurrOffGainKn_Cnt_u16==>Min

TS2 29

TS2.30

TS2.31 TS2.32

k_CurrOffGainKn_Cnt_u16==>Max k_CurrOffGainKn_Cnt_u16==>Pos/Default MtrCurr2LpFltrSV_Volts_M_u3p29==>Min MtrCurr2LpFltrSV_Volts_M_u3p29==>Max MtrCurr2LpFltrSV_Volts_M_u3p29==>Pos TS2.33

TS2.34 k_CurrCorrErrThresh_Amps_f32==>Min/Default

TS2 35

k_CurrCorrErrThresh_Amps_f32==>Max k_CurrCorrErrThresh_Amps_f32==>Pos TS2.36

CurrCorrDiagKSV_M_str.SV==>Min CurrCorrDiagKSV_M_str.SV==>Max CurrCorrDiagKSV_M_str.SV==>Zero CurrCorrDiagKSV_M_str.SV==>Pos TS2.37

TS2.38 TS2.39

TS2.40

CurrCorrDiagKSV_M_str.SV==>Neg CurrCorrDiagKSV_M_str.K==>Min CurrCorrDiagKSV_M_str.K==>Max TS2.41

TS2.42

TS2.43

TS2.44 CurrCorrDiagKSV_M_str.K==>Pos

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 $Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) \\ Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) \\$





Name .	Innut Value		
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		
C_CurrCorrErrThresh_Amps_f32	0		
C_CurrOffGainKn_Cnt_u16	0		
gt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	0		
gt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	0		
gt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0		
gt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	0		
gt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	-220		
gt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-220		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_	_f32	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_	_f32	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosition	_Rev_f32	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f	32	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32		
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	•
	0	0 ± 1	•
CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29			
CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29 CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	0	0 ± 1	•

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached	1	~

Test Step 2.2 (Repeat Count = 1)			· ·
Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	220		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.99998474		
CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29	2684354560		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	2684354560		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	50		
k_CurrOffGainKn_Cnt_u16	65535		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	3		
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	3		
tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.999984741		
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	1		
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	220		
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	220		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr1_\	/olts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_\	/olts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPos	ition_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_F	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_MtrCurr1LpFltrSV_Volt_M_u3p29	1610629120	1610629120 ± 1	✓
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1610629120	1610629120 ± 1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	•
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte Call Sa CmMtrCurr NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	1	1	~



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_MtrCurr1LpFltrSV_Volt_M_u3p29	1073741824			
CmMtrCurr_MtrCurr2LpFltrSV_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_f	32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f	32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_I	Rev_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f3	2		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	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_MtrCurr1LpFltrSV_Volt_M_u3p29	1095415788	1095415788 ± 1	✓	
CmMtrCurr_MtrCurr2LpFltrSV_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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached	1	~

Name	Input Value			
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	53.1758			
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.0476			
CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29	1610612736			
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	2684354560			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
k_CurrCorrErrThresh_Amps_f32	1.511616647			
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_ADCMtrCurr	1_Volts_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr	2_Volts_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurr	Position_Rev_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngl	e_Rev_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_/	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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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_MtrCurr1LpFltrSV_Volt_M_u3p29	1127350984	1127350984 ± 1	~
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	2035759488	2035759488 ± 1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	•
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	•

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached	1	~

Test Step 2.5 (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_MtrCurr1LpFltrSV_Volt_M_u3p29	0		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	2684354560		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	13.73316836		
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_Vol	s_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Vol	s_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosition	n_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev	_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f	32	
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	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_MtrCurr1LpFltrSV_Volt_M_u3p29	737501184	737501184 ± 1	✓
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	2192687104	2192687104 ± 1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓

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_MtrCurr1LpFltrSV_Volt_M_u3p29	0	
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	2147483648	
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	
k_CurrCorrErrThresh_Amps_f32	3.211940289	
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	

CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29 CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29

 $Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)$

 $Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08) \\ Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum) \\$

CmMtrCurr_Per2

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409608000 ± 1

557948603 ± 1

86

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

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1

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	~
Rte Call CmMtrCurr Per2 CP1 ChecknointReached	1	Rte Call CmMtrCurr Per2 CP1 ChecknointReached	1	-

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_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	s_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts	s_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosition	n_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_	_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f3	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f3	2	
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	•
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	•
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	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_MtrCurr1LpFltrSV_Volt_M_u3p29	2147483648	
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	2684354560	
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	

Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)

CmMtrCurr_Per2

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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_CorrMtrCurrPo	sition_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_Am	np_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Am	np_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_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	~
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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_MtrCurr1LpFltrSV_Volt_M_u3p29	0		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	536870912		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	12.33550304		
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_f	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32		
Name	Actual Value	Expected Value	Resul
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_MtrCurr1LpFltrSV_Volt_M_u3p29	309218616	309218616 ± 1	•
CmMtrCurr_MtrCurr2LpFltrSV_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	•

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 2.10 (Repeat Count = 1)	Innut Value		
Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	212.7032		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.1904		
CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29	1073741824		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1610612736		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	23.81961465		
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	I_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2	2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrF	Position_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle	e_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_A	mp_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_A	mp_f32	
Name	Actual Value	Expected Value	Resul
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_MtrCurr1LpFltrSV_Volt_M_u3p29	1019553648	1019553648 ± 1	•
CmMtrCurr_MtrCurr2LpFltrSV_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	

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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_MtrCurr1LpFltrSV_Volt_M_u3p29	1073741824		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	0		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	39.56729203		
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_Vol	ts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Vol	ts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosition	on_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev	/_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f	32	
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	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_MtrCurr1LpFltrSV_Volt_M_u3p29	500774036	500774036 ± 1	•
CmMtrCurr_MtrCurr2LpFltrSV_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



Τ				✓
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 (Repleted (Choupetat C))			✓
Name			
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-124.0132762		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.238		
CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29	2684354560		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	2684354560		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	42.53672326		
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_f3	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32		
	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_MtrCurr1LpFltrSV_Volt_M_u3p29	2662674874	2662674874 ± 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	~

2667610112

86

2667610112 ± 1

86

CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29

 $Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)$

Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)

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Name	Actual Value	Expected Value	Result
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	1.39440918	1.39440918 ± 32	
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	0.275268555	0.275268555 ± 32	~
CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29	748675934	748675934 ± 1	~
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	147814876	147814876 ± 1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	•
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	•
Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached	1	-

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	205.8849111		
CmMtrCurr CurrCorrDiagKSV M str.K Uls f32	0.2856		
CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29	2147483648		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1073741824		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	23.04026127		
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_CorrMtrCurrPos	sition_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_F	Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Am	p_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Am	p_f32	
Name	Actual Value	Expected Value	Resul
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_MtrCurr1LpFltrSV_Volt_M_u3p29	1324812052	1324812052 ± 1	
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	655269800	655269800 ± 1	•
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	•
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_MtrCurr1LpFltrSV_Volt_M_u3p29	1610612736	
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1073741824	
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	
k_CurrCorrErrThresh_Amps_f32	13.0310846	
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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Name	Input Value		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f3	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f3	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_F	Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	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_MtrCurr1LpFltrSV_Volt_M_u3p29	1548586946	1548586946 ± 1	~
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1077518614	1077518614 ± 1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	•

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached	1	~

Test Step 2.16 (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_MtrCurr1LpFltrSV_Volt_M_u3p29	536870912			
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	0			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
k_CurrCorrErrThresh_Amps_f32	17.5181483			
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_ADCMtrCu	rr1_Volts_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCu	rr2_Volts_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCur	rPosition_Rev_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAng	gle_Rev_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_	_Ampf32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_	_Ampf32		
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_MtrCurr1LpFltrSV_Volt_M_u3p29	876953600	876953600 ± 1	✓	
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	421450128	421450128 ± 1	✓	
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	✓	
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	-	
Rte Call Sa CmMtrCurr NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	1	1	✓	

Τ				✓
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_MtrCurr1LpFltrSV_Volt_M_u3p29	0	
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	0	
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	

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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_MtrCurr1LpFltrSV_Volt_M_u3p29	20848275	20848275 ± 1	~
CmMtrCurr_MtrCurr2LpFltrSV_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	~

Name	Input Value		
CmMtrCurr CurrCorrDiagKSV M str.SV UIs f32	-18.60367322		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.3808		
CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29	2684354560		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1073741824		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	43.83353591		
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	1_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2	2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrF	Position_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle	e_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_A	.mp_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_A	.mp_f32	
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	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_MtrCurr1LpFltrSV_Volt_M_u3p29	1926872128	1926872128 ± 1	•
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	796603270	796603270 ± 1	•
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	•
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	•
Rte Call Sa CmMtrCurr NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	0	0	₩

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached	1	~





Name	Input Value		
CmMtrCurr CurrCorrDiagKSV M str.SV Uls f32	-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		
tqt 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	s f32	
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per2 ADCMtrCurr2 Volts f32	tgt CmMtrCurr Per2 ADCMtrCurr2 Volts	- s f32	
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per2 CorrMtrCurrPosition Rev f32	tgt CmMtrCurr Per2 CorrMtrCurrPosition	n Rev f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f3	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f3	2	
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-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	-
rtte_ouii_ou_oniinti ouri_rtxti biugingi_octit rootatao(r arani_oni_r_acc)			

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached	1	~

Test Step 2.20 (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_f	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_F	Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f3:	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-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	✓



Τ				✓
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) nt = 1)			✓		
Name	Input Value				
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	50.18158394				
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32 Amp_f32	0.4522				
CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29	0				
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29Amp_f32	2684354560				
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_I@st_Sa_CmMtrCurr				
k_CurrCorrErrThresh_Amps_f32	16.04924744				
N_CurrOffGainKn_Cnt_u16 08	2558				
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	2.5				
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	1.38939023				
tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.999984741				
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	1				
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	-203.1573394				
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	213.1246358				
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f	32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f	32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_I	Rev_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f3	2			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32				
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32				
Name	Actual Value	Expected Value	Result		
CmMtrCurr_CurrCorrDiagKSR/1_MChatckphoiUls_f32 90	-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	~		
		2608691478 ± 1	~		
		06	~		
			~		
		1	~		

	Count	Result
tReached	1	~
ITCStatus	1	•
Peached	1	-

CmMtrCurr_Per2

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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_MtrCurr1LpFltrSV_Volt_M_u3p29	1229389824	1229389824 ± 1	~
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	381222912	381222912 ± 1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~

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_MtrCurr1LpFltrSV_Volt_M_u3p29	2684354560		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	0		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	33.22194868		
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_Volt	s_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volt	s_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPositio	n_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev	_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f3	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f3	32	
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	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_MtrCurr1LpFltrSV_Volt_M_u3p29	2522068373	2522068373 ± 1	~
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	118874112	118874112 ± 1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~

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_MtrCurr1LpFltrSV_Volt_M_u3p29	536870912	
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1610612736	
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	
k_CurrCorrErrThresh_Amps_f32	0.101317763	
k_CurrOffGainKn_Cnt_u16	41273	
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	1.386268616	
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_f	tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f	32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_F	Rev_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f3	2		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-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_MtrCurr1LpFltrSV_Volt_M_u3p29	667458684	667458684 ± 1	•	
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1103450112	1103450112 ± 1	~	
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	~	
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~	
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~	

Τ				✓
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	-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_CorrMtrCurrPo	sition_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_Am	ıp_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Am	p_f32		
Name	Actual Value	Expected Value	Resul	
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-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		

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	✓
Rte Call CmMtrCurr Per2 CP1 CheckpointReached	1	Rte Call CmMtrCurr Per2 CP1 CheckpointReached	1	/

Test Step 2.26 (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_MtrCurr1LpFltrSV_Volt_M_u3p29	2684354560	
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1073741824	
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	

 $Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)$

Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)

CmMtrCurr_Per2

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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 $tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value$ 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 **Actual Value Expected Value** CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32 -58.5432968 -58.54331045 ± 0.001 2.60595703 2.605957031 ± 32 CmMtrCurr FiltMtrCurr1 Volt M f32 CmMtrCurr_FiltMtrCurr2_Volt_M_f32 2.77783203 2.777832031 ± 32 CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29 1399073130 1399073130 ± 1 $CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29$ 1491394560 1491394560 ± 1

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	~
Rte Call CmMtrCurr Per2 CP1 CheckpointReached	1	Rte Call CmMtrCurr Per2 CP1 CheckpointReached	1	-

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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_MtrCurr1LpFitrSV_Volt_M_u3p29	536870912		
CmMtrCurr_MtrCurr2LpFltrSV_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_Volt	s_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volt	s_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPositio	n_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev	_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f3	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f3	32	
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	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_MtrCurr1LpFltrSV_Volt_M_u3p29	521178089	521178089 ± 1	✓
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1176630504	1176630504 ± 1	~

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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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 $Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)$

 $Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)$





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Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-159.5274		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.6188		
CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29	536870912		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	0		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
CurrCorrErrThresh_Amps_f32	47.0051862		
k_CurrOffGainKn_Cnt_u16	0		
gt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	3		
gt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	2.216228962		
gt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.999984741		
gt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	1		
gt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	-62.07603502		
gt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	63.59160173		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr1_\	Volts_f32	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_\	Volts_f32	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPos	sition_Rev_f32	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_F	Rev_f32	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp	p_f32	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Am	p_f32	
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-99.2282715	-99.22826786 ± 0.001	•
CmMtrCurr_FiltMtrCurr1_Volt_M_f32	1	1 ± 32	•
CmMtrCurr_FiltMtrCurr2_Volt_M_f32	0	0 ± 32	•
CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29	536870912	536870912 ± 1	•
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	0	0 ± 1	•
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	•
, _ , _ , _ , _ , _ , _ , _ , _ ,			

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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_MtrCurr1LpFltrSV_Volt_M_u3p29	2147483648		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	2147483648		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	34.58858031		
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_Vol	ts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Vol	ts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosition	on_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev	/_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f	32	
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-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_MtrCurr1LpFltrSV_Volt_M_u3p29	147224378	147224378 ± 1	•
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	95517263	95517263 ± 1	•
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	•
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	•
Rte Call Sa CmMtrCurr NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	1	1	·



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_MtrCurr1LpFltrSV_Volt_M_u3p29	2684354560		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	536870912		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	48.61384964		
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_\	/olts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPos	sition_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_F	Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp	o_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp	o_f32	
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	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_MtrCurr1LpFltrSV_Volt_M_u3p29	2630848284	2630848284 ± 1	•
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	560824320	560824320 ± 1	•
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	•
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	•
Rte Call Sa CmMtrCurr NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	0	0	•

Т					
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	~	
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	~	
Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached	1	~	

Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-58.02943832		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.6902		
CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29	536870912		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	0		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
C_CurrCorrErrThresh_Amps_f32	9.274186671		
C_CurrOffGainKn_Cnt_u16	21237		
gt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	1.587954044		
gt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	1.879794836		
gt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.999984741		
gt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	0.959956527		
gt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	-27.46674699		
gt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	-58.02943832		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCu	r1_Volts_f32	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCu		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCur	rPosition_Rev_f32	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAng		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_	· -	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_	Amp_f32	
Name	Actual Value	Expected Value	Resul
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-26.3629303	-26.36291932 ± 0.001	•

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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_MtrCurr1LpFltrSV_Volt_M_u3p29	639148304	639148304 ± 1	~
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	327028563	327028563 ± 1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte Call Sa CmMtrCurr NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	1	1	✓

Т					
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_MtrCurr1LpFltrSV_Volt_M_u3p29	1073741824		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	2684354560		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	13.89724052		
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_Vo	lts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Vo	lts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosition	on_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Re	v_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_t	f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_t	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_MtrCurr1LpFltrSV_Volt_M_u3p29	1034025098	1034025098 ± 1	✓
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	2579982278	2579982278 ± 1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	✓
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓

Τ				✓
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_MtrCurr1LpFltrSV_Volt_M_u3p29	2684354560	
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	2147483648	
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	
k_CurrCorrErrThresh_Amps_f32	43.77838415	
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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Name	Input Value		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f3	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f3	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_F	Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	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_MtrCurr1LpFltrSV_Volt_M_u3p29	2268113074	2268113074 ± 1	~
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1746645432	1746645432 ± 1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	•
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	•

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_MtrCurr1LpFltrSV_Volt_M_u3p29	1610612736		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1610612736		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	0		
k_CurrOffGainKn_Cnt_u16	28270		
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	0.651072025		
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	1.742982864		
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_CorrMtrCurrPo	sition_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_Am	ıp_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Am	p_f32	
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-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_MtrCurr1LpFltrSV_Volt_M_u3p29	1066613126	1066613126 ± 1	•
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1319488276	1319488276 ± 1	•
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	•
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	•
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_MtrCurr1LpFltrSV_Volt_M_u3p29	1073741824	
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	536870912	
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	

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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_f	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_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_MtrCurr1LpFltrSV_Volt_M_u3p29	660915204	660915204 ± 1	✓
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1359511552	1359511552 ± 1	•
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	✓
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	•
$Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)$	1	1	~

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)			V
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_f	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_t	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_	Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f3	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-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	~		





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_MtrCurr1LpFltrSV_Volt_M_u3p29	2147483648		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1610612736		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	8.835586846		
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_V	olts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_V	olts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosit	tion_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Re	ev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_	_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_	_f32	
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-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_MtrCurr1LpFltrSV_Volt_M_u3p29	1765392384	1765392384 ± 1	✓
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	520402628	520402628 ± 1	✓
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	✓
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached	1	~

Test Step 2.38 (Repeat Count = 1)			✓
Name	Input Value		
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	220		
CmMtrCurr_CurrCorrDiagKSV_M_str.K_Uls_f32	0.9282		
CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29	2684354560		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	2147483648		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	21.30166304		
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_f	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32	!	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32	!	
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	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_MtrCurr1LpFltrSV_Volt_M_u3p29	2210658660	2210658660 ± 1	✓
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1767343158	1767343158 ± 1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	✓
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~



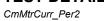
T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per2_CP0_CheckpointReached	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus	1	~
Rte_Call_CmMtrCurr_Per2_CP1_CheckpointReached	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_MtrCurr1LpFltrSV_Volt_M_u3p29	2147483648		
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	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_Vo	lts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Vo	lts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosition	on_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Re	v_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_t	f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_t	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_MtrCurr1LpFltrSV_Volt_M_u3p29	1625092229	1625092229 ± 1	✓
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1926869359	1926869359 ± 1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~

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_MtrCurr1LpFltrSV_Volt_M_u3p29	1610612736		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	2147483648		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	8.681555271		
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_ADCMtrCur	r1_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCur	r2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCur	rPosition_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAng	le_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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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_MtrCurr1LpFltrSV_Volt_M_u3p29	1610612736	1610612736 ± 1	~
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	2041621283	2041621283 ± 1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	•
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte Call Sa CmMtrCurr NxtrDiagMgr SetNTCStatus(Status Cnt T enum)	1	1	✓

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_MtrCurr1LpFltrSV_Volt_M_u3p29	1073741824		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1610612736		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	33.22194868		
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_Vc	olts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Vc	olts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosit	ion_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Re	ev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_	<u>f</u> 32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_	<u>f</u> 32	
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	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_MtrCurr1LpFltrSV_Volt_M_u3p29	774666572	774666572 ± 1	~
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1272973742	1272973742 ± 1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓

Τ				✓
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_MtrCurr1LpFltrSV_Volt_M_u3p29	536870912	
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1073741824	
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	
k_CurrCorrErrThresh_Amps_f32	0.101317763	
k_CurrOffGainKn_Cnt_u16	31270	
tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32.value	0.532531261	
tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32.value	0.904856682	
tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32.value	0.802072763	
tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f32.value	0.6942	
tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32.value	77.21161556	
tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32.value	156.5993204	



CmMtrCurr_Per2

Name	Input Value		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr1_Volts_f	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f:	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_F	Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_f3:	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f32		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	-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_MtrCurr1LpFltrSV_Volt_M_u3p29	417106812	417106812 ± 1	~
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	793187384	793187384 ± 1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~

Τ					
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)			J
Name	Input Value		
CmMtrCurr CurrCorrDiagKSV M str.SV UIs f32	45.69		
CmMtrCurr CurrCorrDiagKSV M str.K Uls f32	0.99998474		
CmMtrCurr_MtrCurr1LpFltrSV_Volt_M_u3p29	0		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	536870912		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	38.52406257		
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_CorrMtrCurrPos	sition_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_F	Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp	p_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp	p_f32	
Name	Actual Value	Expected Value	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_MtrCurr1LpFltrSV_Volt_M_u3p29	916635920	916635920 ± 1	•
CmMtrCurr_MtrCurr2LpFltrSV_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	-
Die Cell Ce Continue National National Continue			

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	-

0

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_MtrCurr1LpFltrSV_Volt_M_u3p29	536870912	
CmMtrCurr_MtrCurr2LpFltrSV_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_f	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosition_I	Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev_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_MtrCurr1LpFltrSV_Volt_M_u3p29	570337226	570337226 ± 1	✓
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	51937632	51937632 ± 1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	~

Τ				
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:

 $\label{eq:total_$

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_V	olts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_V	olts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosit	tion_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Re	ev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_	_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_	_f32	
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	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	✓

2357464284

CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29

2357464284 ± 1

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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	✓

Τ				✓
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_MtrCurr1LpFltrSV_Volt_M_u3p29	536870912		
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1610612736		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrCorrErrThresh_Amps_f32	43.4733122		
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_Vol	ts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per2_ADCMtrCurr2_Vol	ts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_CorrMtrCurrPosition_Rev_f32	tgt_CmMtrCurr_Per2_CorrMtrCurrPosition	on_Rev_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrAngle_Rev_f32	tgt_CmMtrCurr_Per2_MtrCurrAngle_Rev	_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK1_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK1_Amp_f	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per2_MtrCurrK2_Amp_f32	tgt_CmMtrCurr_Per2_MtrCurrK2_Amp_f	32	
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrCorrDiagKSV_M_str.SV_Uls_f32	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_MtrCurr1LpFltrSV_Volt_M_u3p29	521178089	521178089 ± 1	~
CmMtrCurr_MtrCurr2LpFltrSV_Volt_M_u3p29	1176630504	1176630504 ± 1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	86	86	✓
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	~
Rte_Call_Sa_CmMtrCurr_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	~

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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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)\NxtrLib\include -I\$(PROJECTROOT) \StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include			
File	\$(PROJECTROOT)\NxtrLib\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)\NxtrLib\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

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

Code File(s) Version:2
Module Design Document: CmMtrCurr_MDD.docx
Module Design Document Version:2
Data Dictionary Version:2
Unit Test Plan Version:2
Optimization Level: Level 2
Compiler (CodeGen) Version:TMS470_4.9.5
Model Type: Excel Macro
Model Version: Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.32
Total FLASH Used (Bytes):3176
Total RAM Used (Bytes):130
Total CALS Used (Bytes):46
Special Test Requirements:NA
Test Date: 7/23/2016

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

Note2:- ""CBD_Sandbox_dbg.map"" map file is embedded for reference.

Note3:-In function ""CmMtrCurr_Per3"" some variables are going out of range for some vectors,accepted by devloper variables are :-MtrCurr2SumHi_Volt_M_f32 , VecuSum_Volt_M_f32 , MtrCurr1SumLo_Volt_M_f32, MtrCurr2SumLo_Volt_M_f32, MtrCurr1SumZero_Volt_M_f32,MtrCurr2SumZero_Volt_M_f32, CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 .

Note4:-In function CurrDQPer1(), variables 'MtrCurrK1_Amps_f32' and 'MtrCurrK2_Amps_f32' are going to very large values."

Attributes				
Name	Value			
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5			
Float Precision	9			
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj			
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src			
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd			
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl			
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4			
Time Unit	cycles			
Timer Enabled	false			
Timer Prescale	0			
Timer Resolution	1			
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg			
Workspace File	D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP			



Test Case 1: Metrics Test

Specification

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

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 && MtrCurrFinalQax_Amps_T_f32 = Limit_m(MtrCurrQax_Amps_T_f32, -D_CURRDQMAX_AMP_F32, D_CURRDQMAX_AMP_F32)==>True && (Phs2Curr_Cnt_T_u16 > D_ZERO_CNT_U16)==>True && (MtrElecPol_Cnt_T_s08 == D_POSITIVEONE_CNT_S8)==>True && 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 && MtrCurrQax_Amps_T_f32, -D_CURRDQMAX_AMP_F32, D_CURRDQMAX_AMP_F32, D_CURRDQMAX_AMP_F32)==>True && MtrCurrQax_Amps_T_f32, -D_CURRDQMAX

Test Step 1.1 (Repeat Count = 1) Name	Input Value		
	·		
Adc2_GetPhsBCurr_Cnt_u16_m	4095 4095		
Adc2_GetPhsCCurr_Cnt_u16_m			
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		
	31		
CDD_Vecu_Volt_G_f32[1] CmMtrCurr_MtrCurr10ffDelta_VoltaVoltCat_M_f32	0.000171428997		
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32			
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	0.000171428997		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	65535		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	1500		
k_MtrPosComputDelay_Sec_f32	0.00019999995		
k_NoofPoles_Uls_f32	2.98000002		
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	Resul
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	٠,
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	
	220		
CDD_MtrCurrK1_Amps_G_f32[0] CDD_MtrCurrK1_Amps_G_f32[1]	3536.18433	220 ± 32 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]	0.0030000003		
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0007644		
CDD_DCPhsBComp_Cnt_G_u16p0	0		
CDD_DCPhsCComp_Cnt_G_u16p0	0		
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	122.074997		
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	143.074997		
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0250000004		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0240000002		
CDD_MtrCurr1_Volts_G_f32[0]	2.00025487		
CDD_MtrCurr1_Volts_G_f32[1]	1.00025475		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0099999978		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0089999961		
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	2.4999994e-005		
k_NoofPoles_Uls_f32	3.8599999		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.70000005 59.0750008		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 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	· · · · · · · · · · · · · · · · · · ·	Result
		0.994598389 ± 0.0000152587890625	
CDD_CorrMtrPosElec_Rev_G_f32[1] CDD_ElecPosDelayComp_Rad_G_f32	0.0007644 0.00589011842	0.0007644 ± 0.0000152587890625 0.00589011842 ± 0.0000152587890625	
CDD_HiccrosDelayComp_Rad_G_f32 CDD_MtrCurr1_Volts_G_f32[0]	0.00589011842	0.00589011842 ± 0.0000152587890625 0.73382175 ± 32	-
CDD_MtrCurr1_voits_G_i3z[0] CDD MtrCurr1 Voits 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	~

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Test Case 2: Range test

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CurrDQPer1 Specification

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

CPU Cycles: es:
951 Cycles
1008 Cycles
934 Cycles
956 Cycles
924 Cycles
947 Cycles
906 Cycles
931 Cycles
911 Cycles
926 Cycles TC2.1 TC2.2 TC2.3 TC2.4 TC2.5 TC2.6 TC2.7 TC2.8 TC2.9 TC2.10 TC2.11 TC2.12 926 Cycles 911 Cycles 898 Cycles 898 Cycles 906 Cycles 898 Cycles 906 Cycles 906 Cycles 907 Cycles 911 Cycles 888 Cycles TC2.13 TC2.14 TC2.14 TC2.15 TC2.16 TC2.17 TC2.18 TC2.19 TC2.20 888 Cycles 888 Cycles 906 Cycles 901 Cycles 917 Cycles 952 Cycles 922 Cycles 931 Cycles 942 Cycles 942 Cycles 954 Cycles 906 Cycles 906 Cycles 906 Cycles 907 Cycles 908 Cycles 909 Cycles TC2.21 TC2.22 TC2.23 TC2.24 TC2.24 TC2.25 TC2.26 TC2.27 TC2.28 TC2.29 TC2.30 TC2.31 TC2.32 TC2.33 TC2.34 TC2.35 TC2.36 TC2.36 TC2.37 TC2.38 TC2.39 TC2.40 TC2.41 TC2.42 TC2.43 TC2.44 926 Cycles 926 Cycles 925 Cycles 925 Cycles 925 Cycles 945 Cycles 945 Cycles 915 Cycles 915 Cycles 888 Cycles 938 Cycles 911 Cycles 915 Cycles 853 Cycles 921 Cycles 939 Cycles 949 Cycles 944 Cycles TC2.45 TC2.46 TC2.47 TC2.48 TC2.49 TC2.50 TC2.51 924 Cycles 946 Cycles 887 Cycles 946 Cycles 927 Cycles 918 Cycles 918 Cycles 918 Cycles TC2.53 TC2.54 TC2.55 TC2.56 TC2.57 TC2.58 TC2.59 TC2.60 TC2.61 TC2.62 TC2.63 TC2.64 TC2.65 TC2.65 TC2.66 918 Cycles 894 Cycles 898 Cycles 907 Cycles 952 Cycles 879 Cycles 879 Cycles 901 Cycles 946 Cycles 901 Cycles 883 Cycles 915 Cycles 938 Cycles 938 Cycles 938 Cycles TC2.68 TC2.69 TC2.70 TC2.71 TC2.72 TC2.73 TC2.74 888 Cycles 938 Cycles





Description Vector Description:

TC2.1All Min TC2.2All Max TC2.2All Midz 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 TC2.11Rte_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_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=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 TC2.59MtrCurr1OffDelta_VoltpVoltCnts_M_f32=Min TC2.51MtrCurr1OffDelta_VoltpVoltCnts_M_f32=Min TC2.52MtrCurr1OffDelta_VoltpVoltCnts_M_f32=Pos TC2.53MtrCurr2OffDelta_VoltpVoltCnts_M_f32=Min TC2.53MtrCurr2OffDelta_VoltpVoltCnts_M_52=Min TC2.54MtrCurr2OffDelta_VoltpVoltCnts_M_52=Max TC2.55MtrCurr2OffDelta_VoltpVoltCnts_M_532=Pos TC2.56CDD_CDDDataAccessBfr_Cnt_G_u16=Max TC2.57CDD_CDDDataAccessBfr_Cnt_G_u16=Pos TC2.58CDD_CDDDataAccessBfr_Cnt_G_u16=Pos TC2.59CDD_CDPhsAComp_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
TC2.66CDD_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	

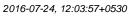
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Name	Input Value		
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-1118		
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0260000005		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0260000005		
CDD_MtrCurr1_Volts_G_f32[0]	0		
CDD_MtrCurr1_Volts_G_f32[1]	0		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-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_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	1		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32			
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	20		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32			
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal	I=	
Name	Actual Value	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0788726807	0.0788726807 ± 0.0000152587890625	~
CDD_CorrMtrPosElec_Rev_G_f32[1]	0	0 ± 0.0000152587890625	•
CDD_ElecPosDelayComp_Rad_G_f32	-0.02795	-0.02795 ± 0.0000152587890625	~
CDD_MtrCurr1_Volts_G_f32[0]	0	0 ± 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]	34.2729912	34.272995	*
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	•
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]	18.5268288	18.5268288 ± 0.03	_
CDD_MtrCurrQax_Amp_G_f32[1]	-220	-220 ± 0.03	

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

Test Step 2.2 (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	





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				V
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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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 CDD_Vecu_Volt_G_f32[0] 7.23000002 CDD_Vecu_Volt_G_f32[1] 6.48999977 CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32 $CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32$ 5.50000004e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr k_MtrCurrOffLoComOff_Cnt_u16 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 **Actual Value Expected Value** Result 0.99432373 CDD_CorrMtrPosElec_Rev_G_f32[0] $0.99432373 \pm 0.0000152587890625$ CDD_CorrMtrPosElec_Rev_G_f32[1] 0.0007644 0.0007644 ± 0.0000152587890625 0.00413837563 CDD_ElecPosDelayComp_Rad_G_f32 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 222.569885 ± 32 CDD_MtrCurrK1_Amps_G_f32[0] 222.569885 CDD MtrCurrK1 Amps G f32[1] 198.000259 198.000259 ± 32 CDD_MtrCurrK2_Amps_G_f32[0] 3.91461754 $3.91461301 \pm 0.0000152587890625$ CDD_MtrCurrK2_Amps_G_f32[1] 25.0002556 25.0002556 ± 0.0000152587890625 CDD_MtrCurrQax_Amp_G_f32[0] -11.8483696 -11.8483648 ± 0.03

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

63.0002556

63.0002556 ± 0.03

Test Step 2.4 (Repeat Count = 1)	<u>√</u>
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

CDD_MtrCurrQax_Amp_G_f32[1]

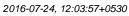
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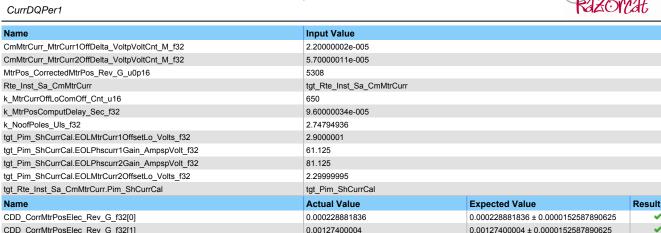


Name	Input Value		
CDD MtrCurrQax Amp G f32[0]	-120.000511		
CDD MtrCurrQax Amp G f32[1]	25.0005093		
CDD MtrElecPol Cnt G s8	-1		
CDD Vecu Volt G f32[0]	8.23999977		
CDD Vecu Volt G f32[1]	7.5		
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	2.0999998e-005		
CmMtrCurr MtrCurr2OffDelta VoltpVoltCnt M 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			✓
Count	Expected Function	Count	Result
0	*** No Call Expected ***	0	~
	Count 0	Count Expected Function 0 *** No Call Expected ***	· ·

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





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	~

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

Name	Test Step 2.6 (Repeat Count = 1)	✓
Add2_GelPhsCCurr_Cnt_U16_m	Name	Input Value
CDD_ADC20ffsetComp_Cnt_G_u8p8	Adc2_GetPhsBCurr_Cnt_u16_m	657
CDD_AppDataFwdPthAccessBif_Cnt_G_u16	Adc2_GetPhsCCurr_Cnt_u16_m	482
CDD_CDDataAccessBir_Cnt_G_u16	CDD_ADC2OffsetComp_Cnt_G_u8p8	8192
CDD_corMitPosElec_Rev_G_132[0] 0.0060000005	CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1
CDD_CPh8BComp_Cnt_6_u16p0 300	CDD_CDDDataAccessBfr_Cnt_G_u16	1
DDD DCPhsBComp_Cnt_G_u16p0 350 358 SDD DCPhsCComp_Cnt_G_u16p0 358 SDD DCPhsCComp_Cnt_G_u16p0 358 SDD DCPhsBCVent_CuttRadpS_G_132[1] 120.150002 120.150002 120.150002 142.149994 142.149994 142.149994 142.149999999 142.1499999 142.14999999 142.149999999 142.1499999999 142.1499999999 142.1499999999 142.1499999999 142.149999999999 142.14999999999 142.149999999999 142.149999999999 142.149999999999999999999999999999999999	CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0060000005
CDD_DCPhsCcomp_Cnt_G_u16p0 358 CDD_MRFMtrVel_MtrRadpS_G_f32[0] 120.150002 120.150002 120.150002 120.150002 120.150002 120.150002 120.150002 120.150002 120.150002 120.150002 120.150002 120.150002 120.0500999999 120.05009999999 120.05009999999 120.05009999999 120.0500999999999999999999999999999999999	CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0015288
CDD_MRFMtrVel_MrRadps_G_f32[0] 120.150002 120.150002 120.150002 120.150002 120.150002 120.150002 120.150002 120.140004 120.140004 120.140004 120.140004 120.140004 120.140004 120.140004 120.140004 120.140004 120.140004 120.140004 120.140004 120.140004 120.140004 120.140004 120.150002 120.1500002 120.15000002 120.1500002 120.1500002 120.15000002 120.15000002 120.15000002 120.15000002 120.15000002 120.15000002 120.150000002 120.150000002 120.150000002 120.150000002 120.150000002 120.1500000002 120.150000000000000000000000000000000000	CDD_DCPhsBComp_Cnt_G_u16p0	300
CDD_MRFMrVe_MtrRadpS_G_f32[1]	CDD_DCPhsCComp_Cnt_G_u16p0	358
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	CDD_MRFMtrVel_MtrRadpS_G_f32[0]	120.150002
CDD_MtrCurr1_empOffset_voll_G_f32[1] -0.0209999997 CDD_MtrCurr1_volts_G_f32[0] 1.00101924 CDD_MtrCurr1_volts_G_f32[1] 2.00101924 CDD_MtrCurr2TempOffset_voll_G_f32[0] -0.0070000022 CDD_MtrCurr2TempOffset_voll_G_f32[1] -0.0060000005 CDD_MtrCurr2TempOffset_voll_G_f32[1] -0.0060000005 CDD_MtrCurr2_volts_G_f32[0] 1.0010924 CDD_MtrCurr2_volts_G_f32[0] -1.0010924 CDD_MtrCurr2_volts_G_f32[0] -1.0010924 CDD_MtrCurr0x_Amp_G_f32[0] -1.0010022 CDD_MtrCurrK1_Amps_G_f32[0] -1.0010022 CDD_MtrCurrK1_Amps_G_f32[0] -1.0010022 CDD_MtrCurrK1_Amps_G_f32[0] -1.0010022 CDD_MtrCurrK2_Amps_G_f32[0] -1.0010022 CDD_MtrCurrCax_Amp_G_f32[0] -1.0010002 CDD_Vecu_Volt_G_f32[1] -0.001002 CDD_Vecu_Volt_G_f32[1] -0.001002 CDD_Vecu_Volt_G_f32[1] -0.001002 CDD_Vecu_Volt_G_f32[1] -0.001002 CDD_Vecu_Volt_G_f32[1] -0.001002 CDD_Vecu_Volt_G_f32[1] -0.001002 CDD_Vecu_Volt_G_f32[1] -0.001000000000000000000000000000000000	CDD_MRFMtrVel_MtrRadpS_G_f32[1]	142.149994
CDD_MtrCurr1_Volts_G_f32[0] 1.00101924	CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0219999999
CDD_MtrCurrY_Volts_G_f32[1] 2.00101924 CDD_MtrCurrZTempOffset_Volt_G_f32[0] -0.0070000022 CDD_MtrCurrZTempOffset_Volt_G_f32[1] -0.0060000005 CDD_MtrCurr2_Volts_G_f32[0] 1.00101924 CDD_MtrCurrDax_Amp_G_f32[0] -160.001022 CDD_MtrCurrDax_Amp_G_f32[0] -160.001022 CDD_MtrCurrK1_Amps_G_f32[0] -140.001022 CDD_MtrCurrK2_Amps_G_f32[0] -160.001022 CDD_MtrCurrK2_Amps_G_f32[0] -160.001022 CDD_MtrCurrK2_Amps_G_f32[0] -160.001022 CDD_MtrCurrK2_Amps_G_f32[1] 120.001022 CDD_MtrCurrCax_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_MtrCurrOffDelta_VoltpVoltCnt_M_f32 2.3000005e-005 CmMtrCurr_MtrCurrOffDelta_VoltpVoltCnt_M_f32 5.80000014e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 5439 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr	CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0209999997
CDD_MtrCurr2TempOffset_Volt_G_f32[0] -0.00700000022 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[0] -160.001022 CDD_MtrCurrK1_Amps_G_f32[0] -140.001022 CDD_MtrCurrK2_Amps_G_f32[1] 63.0010185 CDD_MtrCurrK2_Amps_G_f32[1] 63.0010185 CDD_MtrCurrK2_Amps_G_f32[1] 120.001022 CDD_MtrCurrR2_Amp_G_f32[0] -180.001022 CDD_MtrCurrQax_Amp_G_f32[0] -180.001022 CDD_MtrCurrQax_Amp_G_f32[0] 125.001022 CDD_MtrCurrGax_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_OffDelta_VoltpVoltCnt_M_f32 2.3000005e-005 CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32 5.80000014e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 5439 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr	CDD_MtrCurr1_Volts_G_f32[0]	1.00101924
CDD_MtrCurr2TempOffset_Volt_G_[32[0] -0.00600000005 CDD_MtrCurr2_Volts_G_[32[0] 1.00101924 CDD_MtrCurr2_Volts_G_[32[1] 2.00101924 CDD_MtrCurrDax_Amp_G_[32[0] -160.001022 CDD_MtrCurrAx_Amp_G_[32[1] 120.001022 CDD_MtrCurrK1_Amps_G_[32[0] -140.001022 CDD_MtrCurrK2_Amps_G_[32[0] -160.001022 CDD_MtrCurrK2_Amps_G_[32[0] -160.001022 CDD_MtrCurrQax_Amp_G_[32[0] -180.001022 CDD_MtrCurrQax_Amp_G_[32[0] -180.001022 CDD_MtrElePol_Cnt_G_88 -1 CDD_Vecu_Volt_G_[32[0] 10.2600002 CDD_Vecu_Volt_G_[32[1] 9.52000046 CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_[32] 2.3000005e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_[32] 5.80000014e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 5439 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr	CDD_MtrCurr1_Volts_G_f32[1]	2.00101924
CDD_MtrCurr2_Volts_G_332[0] 1.00101924 CDD_MtrCurr2_Volts_G_f32[1] 2.00101924 CDD_MtrCurrDax_Amp_G_f32[0] -160.001022 CDD_MtrCurrK1_Amps_G_f32[1] 120.001022 CDD_MtrCurrK1_Amps_G_f32[0] -140.001022 CDD_MtrCurrK2_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 2.3000005e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 5.80000014e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 5439 Rte_Inst_Sa_CmMtrCurr tg_Rte_Inst_Sa_CmMtrCurr	CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.00700000022
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_MtrCurrK2_Amps_G_f32[1] 63.0010185 CDD_MtrCurrK2_Amps_G_f32[0] -160.001022 CDD_MtrCurrQax_Amp_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_MtrCurr_OffDelta_VoltpVoltCnt_M_f32 2.3000005e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 5.8000014e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 5439 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr	CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.00600000005
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_MtrCurrK2_Amps_G_f32[1] 63.0010185 CDD_MtrCurrK2_Amps_G_f32[0] -160.001022 CDD_MtrCurrQax_Amps_G_f32[1] 120.001022 CDD_MtrCurrQax_Amp_G_f32[0] -180.001022 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 2.3000005e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 5.80000014e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 5439 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr	CDD_MtrCurr2_Volts_G_f32[0]	1.00101924
CDD_MtrCurrDax_Amp_G_f32[1] 120.001022 CDD_MtrCurrK1_Amps_G_f32[0] -140.001022 CDD_MtrCurrK2_Amps_G_f32[1] 63.0010185 CDD_MtrCurrK2_Amps_G_f32[0] -160.001022 CDD_MtrCurrQax_Amps_G_f32[1] 120.001022 CDD_MtrCurrQax_Amp_G_f32[0] -180.001022 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 2.3000005e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 5.80000014e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 5439 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr	CDD_MtrCurr2_Volts_G_f32[1]	2.00101924
CDD_MtrCurrK1_Amps_G_f32[0] -140.001022 CDD_MtrCurrK2_Amps_G_f32[1] 63.0010185 CDD_MtrCurrK2_Amps_G_f32[0] -160.001022 CDD_MtrCurrQax_Amps_G_f32[1] 120.001022 CDD_MtrCurrQax_Amp_G_f32[0] -180.001022 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 2.3000005e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 5.80000014e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 5439 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr	CDD_MtrCurrDax_Amp_G_f32[0]	-160.001022
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_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 2.3000005e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 5.80000014e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 5439 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr	CDD_MtrCurrDax_Amp_G_f32[1]	120.001022
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_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 2.3000005e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 5.80000014e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 5439 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr	CDD_MtrCurrK1_Amps_G_f32[0]	-140.001022
CDD_MtrCurrK2_Amps_G_f32[1] 120.001022 CDD_MtrCurrQax_Amp_G_f32[0] -180.001022 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 2.3000005e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 5.80000014e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 5439 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr	CDD_MtrCurrK1_Amps_G_f32[1]	63.0010185
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 2.3000005e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 5.80000014e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 5439 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr	CDD_MtrCurrK2_Amps_G_f32[0]	-160.001022
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 2.3000005e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 5.80000014e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 5439 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr	CDD_MtrCurrK2_Amps_G_f32[1]	120.001022
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 2.3000005e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 5.80000014e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 5439 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr		-180.001022
CDD_Vecu_Volt_G_f32[0] 10.2600002 CDD_Vecu_Volt_G_f32[1] 9.52000046 CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32 2.3000005e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 5.80000014e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 5439 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr		125.001022
CDD_Vecu_Volt_G [32[1] 9.52000046 CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32 2.3000005e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 5.80000014e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 5439 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr	CDD_MtrElecPol_Cnt_G_s8	-1
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32 2.3000005e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 5.80000014e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 5439 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr		10.2600002
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 5.80000014e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 5439 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr	CDD_Vecu_Volt_G_f32[1]	9.52000046
MtrPos_CorrectedMtrPos_Rev_G_u0p16 5439 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr	CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	2.30000005e-005
Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr	CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	5.80000014e-005
k_MtrCurrOffLoComOff_Cnt_u16 700		V
	k_MtrCurrOffLoComOff_Cnt_u16	700





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	✓

Τ				✓
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	5.9000018e-005	
MtrPos_CorrectedMtrPos_Rev_G_u0p16	5571	
Rte Inst Sa CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	
 _MtrCurrOffLoComOff_Cnt_u16	750	
 :_MtrPosComputDelay_Sec_f32	0.000119999997	
NoofPoles Uls f32	3.24682975	
gt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32	3	
gt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	63.1749992	
gt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32	89.1750031	

CurrDQPer1



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	•

Τ				
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]	-0.0189999994		
CDD_MtrCurr1_Volts_G_f32[0]	4.00637007		
CDD_MtrCurr1_Volts_G_f32[1]	1.00636995		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0049999989		
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	5.9999985e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	5702		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	800		
k_MtrPosComputDelay_Sec_f32	0.00013		
k_NoofPoles_Uls_f32	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	Resul
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.00800000038	0.00800000038 ± 0.0000152587890625	•
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.177749634	0.177749634 ± 0.0000152587890625	•





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]	0.0089999961		
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0022932		
CDD_DCPhsBComp_Cnt_G_u16p0	435		
CDD_DCPhsCComp_Cnt_G_u16p0	460		
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	122.224998		
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	146.225006		
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0189999994		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0179999992		
CDD_MtrCurr1_Volts_G_f32[0]	0.00178359996		
CDD_MtrCurr1_Volts_G_f32[1]	2.00178361		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0040000019		
CDD MtrCurr2TempOffset Volt G f32[1]	-0.0030000003		
CDD_MtrCurr2_Volts_G_f32[0]	0.00178359996		
CDD_MtrCurr2_Volts_G_f32[1]	1.00178361		
CDD_MtrCurrDax_Amp_G_f32[0]	-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		
	850		
k_MtrCurrOffLoComOff_Cnt_u16	0.000140000004		
k_MtrPosComputDelay_Sec_f32			
k_NoofPoles_UIs_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	Resul
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	•





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]	0.0099999978		
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00254800008		
CDD_DCPhsBComp_Cnt_G_u16p0	480		
CDD_DCPhsCComp_Cnt_G_u16p0	494		
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	120.25		
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]	-0.0030000003		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0020000009		
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		
c_MtrCurrOffLoComOff_Cnt_u16	900		
k_MtrPosComputDelay_Sec_f32	0.000150000007		
C_NoofPoles_Uls_f32	2.88404393		
gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.10000002		
gt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	66.25		
gt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	101.25		
gt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3		
gt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Resu
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0099999978	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	





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	✓

Т				✓
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]	-0.0010000005		
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	Res
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	



T					
Actual Function	Count	Expected Function	Count	Resu	lt
none	0	*** No Call Expected ***	0		V

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]	-0.0010000005		
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	6.3999998e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	6226		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	1000		
k_MtrPosComputDelay_Sec_f32	0.000169999999		
k_NoofPoles_Uls_f32	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	V
CDD_MtrCurr1_Volts_G_f32[1]	0.821733832	0.821733832 ± 32	*
CDD_MtrCurr2_Volts_G_f32[0]	1.00254798	1.00254798 ± 32	V
CDD_MtrCurr2_Volts_G_f32[1]	0.578754604	0.578754604 ± 32	✓
CDD_MtrCurrDax_Amp_G_f32[0]	-140.002548	-140.002548	~
CDD_MtrCurrlA_Amp_G_f32[1]	138.435867	138.435867	Ž
CDD_MtrCurrK1_Amps_G_f32[0] CDD_MtrCurrK1_Amps_G_f32[1]	-200.002548	-200.002548 ± 32	Ž
CDD_MtrCurrK1_Amps_G_f32[1]	150.838562 -140.002548	150.838562 ± 32	
CDD_MtrCurrK2_Amps_G_f32[0]		-140.002548 ± 0.0000152587890625	
CDD_MtrCurrK2_Amps_G_f32[1] CDD_MtrCurrQax_Amp_G_f32[0]	-80.9582214 -160.002548	-80.9582214 ± 0.0000152587890625 -160.002548 ± 0.03	~
CDD_MtrCurrQax_Amp_G_f32[1]	100.707581	100.707581 ± 0.03	
ODD_MITOUTQAX_ATTIP_G_DZ[1]	100.707001	100.707301 ± 0.03	

Τ				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~



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	1.3999998		
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	~

Τ				✓
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		
	24576		
CDD_ADC2OffsetComp_Cnt_G_u8p8	1		
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16 CDD CDDDataAccessBfr Cnt G u16	1		
	0.0140000004		
CDD_CorrMtrPosElec_Rev_G_f32[0] CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00356719992		
	660		
CDD_DCPhsBComp_Cnt_G_u16p0 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]	-0.014000004		
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]	0.0010000005		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0020000009		
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]	0.014000004	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	





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]	0.0020000009		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0030000003		
CDD_MtrCurr2_Volts_G_f32[0]	0.00178359996		
CDD_MtrCurr2_Volts_G_f32[1]	1.00178361		
CDD_MtrCurrDax_Amp_G_f32[0]	-180.003311		
CDD_MtrCurrDax_Amp_G_f32[1]	125.003311		
CDD_MtrCurrK1_Amps_G_f32[0]	-140.003311		
CDD_MtrCurrK1_Amps_G_f32[1]	63.0033112		
CDD_MtrCurrK2_Amps_G_f32[0]	-180.003311		
CDD_MtrCurrK2_Amps_G_f32[1]	125.003311		
CDD_MtrCurrQax_Amp_G_f32[0]	-200.003311		
CDD_MtrCurrQax_Amp_G_f32[1]	198.003311		
CDD_MtrElecPol_Cnt_G_s8	1		
CDD_Vecu_Volt_G_f32[0]	19.3500004		
CDD_Vecu_Volt_G_f32[1]	18.6100006		
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	5.50000004e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	6.7000009e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	6619		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	1150		
k_MtrPosComputDelay_Sec_f32	0.00019999995		
k_NoofPoles_Uls_f32	3.77883053		
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	٠,
CDD_MtrCurrK2_Amps_G_f32[0]	-4.91748905	-4.9174881 ± 0.0000152587890625	
CDD_MtrCurrK2_Amps_G_f32[1]	125.003311	125.003311 ± 0.0000152587890625	٠,
CDD_MtrCurrQax_Amp_G_f32[0]	10.8779268	10.8779259 ± 0.03	
CDD_MtrCurrQax_Amp_G_f32[1]	198.003311	198.003311 ± 0.03	

Т				
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	

CurrDQPer1



Name	Input Value		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0109999999		
CDD_MtrCurr1_Volts_G_f32[0]	2.00356722		
CDD_MtrCurr1_Volts_G_f32[1]	1.00356722		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.0030000003		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0040000019		
CDD_MtrCurr2_Volts_G_f32[0]	1.00356722		
CDD_MtrCurr2_Volts_G_f32[1]	2.00356722		
CDD_MtrCurrDax_Amp_G_f32[0]	-160.003571		
CDD_MtrCurrDax_Amp_G_f32[1]	120.003571		
CDD_MtrCurrK1_Amps_G_f32[0]	-120.003571		
CDD_MtrCurrK1_Amps_G_f32[1]	25.0035667		
CDD_MtrCurrK2_Amps_G_f32[0]	-160.003571		
CDD_MtrCurrK2_Amps_G_f32[1]	120.003571		
CDD_MtrCurrQax_Amp_G_f32[0]	-180.003571		
CDD_MtrCurrQax_Amp_G_f32[1]	125.003571		
CDD_MtrElecPol_Cnt_G_s8	1		
CDD_Vecu_Volt_G_f32[0]	20.3600006		
CDD_Vecu_Volt_G_f32[1]	19.6200008		
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	5.60000008e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	6.80000012e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	6750		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	1200		
k_MtrPosComputDelay_Sec_f32	2.49999994e-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	Resul
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	

Τ				✓
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	2.5999997e-005		
k_NoofPoles_Uls_f32	3.26873398		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.7999995		
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]	0.0049999989
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	1.8999998		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	71.4499969		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	21.4500008		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.34500003		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0179999992	0.0179999992 ± 0.0000152587890625	•
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0131530762	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	•

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

Test Step 2.19 (Repeat Count = 1)	✓
Name	Input Value
Adc2_GetPhsBCurr_Cnt_u16_m	865
Adc2_GetPhsCCurr_Cnt_u16_m	638
CDD_ADC2OffsetComp_Cnt_G_u8p8	34816
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0189999994
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00484120008
CDD_DCPhsBComp_Cnt_G_u16p0	0
CDD_DCPhsCComp_Cnt_G_u16p0	800
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	1118
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	1118
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.00899999961
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.00800000038
CDD_MtrCurr1_Volts_G_f32[0]	2.00433159
CDD_MtrCurr1_Volts_G_f32[1]	1.00433159
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00600000005
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.00700000022
CDD_MtrCurr2_Volts_G_f32[0]	2.00433159
CDD_MtrCurr2_Volts_G_f32[1]	1.00433159
CDD_MtrCurrDax_Amp_G_f32[0]	-200.004333
CDD_MtrCurrDax_Amp_G_f32[1]	198.004333
CDD_MtrCurrK1_Amps_G_f32[0]	-160.004333
CDD_MtrCurrK1_Amps_G_f32[1]	120.004333
CDD_MtrCurrK2_Amps_G_f32[0]	-200.004333
CDD_MtrCurrK2_Amps_G_f32[1]	198.004333
CDD_MtrCurrQax_Amp_G_f32[0]	-120.004333
CDD_MtrCurrQax_Amp_G_f32[1]	25.0043316

CDD_MtrCurrK2_Amps_G_f32[0]

CDD_MtrCurrK2_Amps_G_f32[1]

CDD_MtrCurrQax_Amp_G_f32[0]

CDD_MtrCurrQax_Amp_G_f32[1]

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-0.277046263 ± 0.0000152587890625

 $198.004333 \pm 0.0000152587890625$

10.5543671 ± 0.03

25.0043316 ± 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	2.0999998e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	7143		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	1350		
k_MtrPosComputDelay_Sec_f32	2.80000004e-005		
k_NoofPoles_Uls_f32	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	•

T				V
Actual Function	Count	Expected Function	Coun	Result
none	0	*** No Call Expected ***	0	~

-0.277046263

198.004333

10.554368

25.0043316

Test Step 2.20 (Repeat Count = 1)	la de la companya de
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	5.9999985e-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	2.9000007e-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]	0.019999996	0.0199999996 ± 0.0000152587890625	~
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0276641846	0.0276641846 ± 0.0000152587890625	~
CDD_ElecPosDelayComp_Rad_G_f32	0	0 ± 0.0000152587890625	•
CDD_MtrCurr1_Volts_G_f32[0]	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	1.8999998		
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	~



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 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]	-0.0060000005		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0049999989		
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]	-0.023		
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	2.0999999		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	73.5500031		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	25.5499992		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.34699988		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0219999999	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	Y
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	





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]	-0.0040000019		
CDD_MtrCurr1_Volts_G_f32[0]	2.00535083		
CDD_MtrCurr1_Volts_G_f32[1]	1.00535083		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.021999999		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.020999997		
CDD_MtrCurr2_Volts_G_f32[0]	2.00535083		
CDD_MtrCurr2_Volts_G_f32[1]	1.00535083		
CDD_MtrCurrDax_Amp_G_f32[0]	-120.005348		
CDD_MtrCurrDax_Amp_G_f32[1]	25.0053501		
CDD_MtrCurrK1_Amps_G_f32[0]	-180.005356		
CDD_MtrCurrK1_Amps_G_f32[1]	125.005348		
CDD_MtrCurrK2_Amps_G_f32[0]	-120.005348		
CDD_MtrCurrK2_Amps_G_f32[1]	25.0053501		
CDD_MtrCurrQax_Amp_G_f32[0]	-140.005356		
CDD_MtrCurrQax_Amp_G_f32[1]	63.005352		
CDD_MtrElecPol_Cnt_G_s8	-1		
CDD_Vecu_Volt_G_f32[0]	27.4300003		
CDD_Vecu_Volt_G_f32[1]	26.6900005		
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	6.2999995e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	2.4999994e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	7668		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	510		
k_MtrPosComputDelay_Sec_f32	2.9999992e-005		
k_NoofPoles_UIs_f32	2.55424547 2.20000005		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	74.5749969		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 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		
		Fune eta d Value	Daguile
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 0.929181933	-0.00201434176 ± 0.0000152587890625 0.929181933 ± 32	
CDD_MtrCurr1_Volts_G_f32[0]			
CDD_MtrCurr1_Volts_G_f32[1] CDD_MtrCurr2_Volts_G_f32[0]	1.00535083 0.632478654	1.00535083 ± 32 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	
	63.005352	63.005352 ± 0.03	

T				V
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	6.3999998e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	2.5999997e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	7799		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	520		
k_MtrPosComputDelay_Sec_f32	3.0999996e-005		
k_NoofPoles_Uls_f32	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	~

Τ				✓
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]	-0.019999996		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0189999994		
CDD_MtrCurr2_Volts_G_f32[0]	0.00586039992		
CDD_MtrCurr2_Volts_G_f32[1]	1.00586045		
CDD_MtrCurrDax_Amp_G_f32[0]	-180.005859		
CDD_MtrCurrDax_Amp_G_f32[1]	125.005859		
CDD_MtrCurrK1_Amps_G_f32[0]	-140.005859		
CDD_MtrCurrK1_Amps_G_f32[1]	63.0058594		
CDD_MtrCurrK2_Amps_G_f32[0]	-180.005859		
CDD_MtrCurrK2_Amps_G_f32[1]	125.005859		
CDD_MtrCurrQax_Amp_G_f32[0]	-200.005859		
CDD_MtrCurrQax_Amp_G_f32[1]	198.005859		
CDD_MtrElecPol_Cnt_G_s8	1		
CDD_Vecu_Volt_G_f32[0]	5.48000002		
CDD_Vecu_Volt_G_f32[1]	31		
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	6.50000002e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	2.7e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	7930		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	530		
k_MtrPosComputDelay_Sec_f32	3.1999999e-005		
k_NoofPoles_Uls_f32	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	✓

Τ				✓
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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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 CDD_Vecu_Volt_G_f32[0] CDD_Vecu_Volt_G_f32[1] 5 CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32 6.60000005e-005 2 80000004e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 MtrPos_CorrectedMtrPos_Rev_G_u0p16 8061 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr k_MtrCurrOffLoComOff_Cnt_u16 k_MtrPosComputDelay_Sec_f32 3.30000003e-005 k_NoofPoles_Uls_f32 2.66659498 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 2.5 77.6500015 $tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32$ tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 33.6500015 $tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32$ 2.35100007 tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal tgt_Pim_ShCurrCal **Actual Value Expected Value** Result CDD_CorrMtrPosElec_Rev_G_f32[0] 0.0260000005 ± 0.0000152587890625 0.0260000005 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 -160 006119 CDD_MtrCurrDax_Amp_G_f32[0] -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 $34.3647728 \pm 0.0000152587890625$

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

-180.006119

9.37571716

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	

CDD_MtrCurrQax_Amp_G_f32[0]

CDD_MtrCurrQax_Amp_G_f32[1]

~

-180.006119 ± 0.03

9.37571716 ± 0.03

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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	3.4000006e-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		
Count	Result	
0	~	
	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	4

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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	V
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]	6.48999977
CDD_Vecu_Volt_G_f32[1]	5.21000004
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	6.90000015e-005
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	0
MtrPos_CorrectedMtrPos_Rev_G_u0p16	5833

CurrDQPer1



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	Resul
none	0	*** No Call Expected ***	0	

Name	Input Value	
Adc2_GetPhsBCurr_Cnt_u16_m	4095	
Adc2_GetPhsbCurr_Cnt_u16_m Adc2_GetPhsCCurr_Cnt_u16_m	770	
CDD ADC2OffsetComp Cnt G u8p8	57344	
CDD_ADC2Onsercomp_Cnt_G_uopo CDD AppDataFwdPthAccessBfr Cnt G u16	1	
	1	
CDD_CDDDataAccessBfr_Cnt_G_u16	0.029999993	
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.007644	
CDD_CorrMtrPosElec_Rev_G_f32[1]	694	
CDD_DCPhsBComp_Cnt_G_u16p0	804	
CDD_DCPhsCComp_Cnt_G_u16p0		
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-44.75 75.75	
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	
<_MtrCurrOffLoComOff_Cnt_u16	580	
c_MtrPosComputDelay_Sec_f32	3.70000016e-005	
<_NoofPoles_Uls_f32	2.45000958	
gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.9000001	

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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]	0.029999993	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]	0.66666687	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	~





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]	0.030999995		
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.00789880008		
CDD_DCPhsBComp_Cnt_G_u16p0	793		
CDD_DCPhsCComp_Cnt_G_u16p0	914		
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-52.7750015		
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	69.7750015		
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0030000003		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0040000019		
CDD_MtrCurr1_Volts_G_f32[0]	1.00968242		
CDD_MtrCurr1_Volts_G_f32[1]	2.00968242		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0140000004		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0130000003		
CDD_MtrCurr2_Volts_G_f32[0]	1.00968242		
CDD_MtrCurr2_Volts_G_f32[1]	2.00968242		
CDD_MtrCurrDax_Amp_G_f32[0]	-160.007385		
CDD_MtrCurrDax_Amp_G_f32[1]	120.007393		
CDD_MtrCurrK1_Amps_G_f32[0]	-120.007393		
CDD_MtrCurrK1_Amps_G_f32[1]	25.0073891		
CDD_MtrCurrK2_Amps_G_f32[0]	-160.007385		
CDD_MtrCurrK2_Amps_G_f32[1]	120.007393		
CDD_MtrCurrQax_Amp_G_f32[0]	-180.007385		
CDD_MtrCurrQax_Amp_G_f32[1]	125.007393		
CDD_MtrElecPol_Cnt_G_s8	-1		
CDD_Vecu_Volt_G_f32[0]	8.51000023		
CDD_Vecu_Volt_G_f32[1]	7.23000002		
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	3.1999999e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	5.60000008e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	8716		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
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	





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]	0.0040000019			
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_i32[1]	198.007645			
	-140.007645			
CDD_MtrCurrK2_Amps_G_f32[0] CDD MtrCurrK2 Amps G f32[1]	63.0076447			
	11111			
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	3.8999987e-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				V
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	3.999999e-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]	0.0199999996	
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]	0.00600000005	
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]	-0.0099999978		
CDD_MtrCurr2_Volts_G_f32[0]	1.00815356		
CDD_MtrCurr2_Volts_G_f32[1]	2.00815368		
CDD_MtrCurrDax_Amp_G_f32[0]	-180.004593		
CDD_MtrCurrDax_Amp_G_f32[1]	125.004585		
CDD_MtrCurrK1_Amps_G_f32[0]	-140.004593		
CDD_MtrCurrK1_Amps_G_f32[1]	63.0045853		
CDD_MtrCurrK2_Amps_G_f32[0]	-180.004593		
CDD_MtrCurrK2_Amps_G_f32[1]	125.004585		
CDD_MtrCurrQax_Amp_G_f32[0]	-200.004593		
CDD_MtrCurrQax_Amp_G_f32[1]	198.004593		
CDD_MtrElecPol_Cnt_G_s8	1		
CDD_Vecu_Volt_G_f32[0]	11.54		
CDD_Vecu_Volt_G_f32[1]	10.2600002		
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	3.50000009e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	1.4999996e-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]	0.019999996	0.0199999996 ± 0.0000152587890625	•
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0276641846	0.0276641846 ± 0.0000152587890625	✓
CDD_ElecPosDelayComp_Rad_G_f32	0	0 ± 0.0000152587890625	✓
CDD_MtrCurr1_Volts_G_f32[0]	1.00815356	1.00815356 ± 32	✓
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	-

Τ				✓
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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Input Value	
CDD_MtrCurrDax_Amp_G_f32[0] -140.008408 CDD_MtrCurrR1_Amps_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[1] 63.0084076 CDD_MtrCurrK2_Amps_G_f32[0] -140.008408 CDD_MtrCurrCurAx_Amps_G_f32[1] 63.0084076 CDD_MtrCurrCux_Amp_G_f32[0] -180.008408 CDD_MtrCurrQax_Amp_G_f32[0] -180.008408 CDD_MtrElecPol_Cnt_G_s8 -1 CDD_Vecu_Volt_G_f32[0] 12.5500002 CDD_Vecu_Volt_G_f32[1] 11.2700005 CmMtrCurr_MtrCurrTOffDelta_VoltpVoltCnt_M_f32 3.6000013e-005 CmMtrCurr_MtrCurrCoffDelta_VoltpVoltCnt_M_f32 1.6e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 10027 Rte_Inst_Sa_CmMtrCurr k_MtrCurrOffLoComOff_Cnt_u16 630 k_MtrPosComputDelay_Sec_f32 4.8000017e-005	
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[0] -140.008408 CDD_MtrCurrK2_Amps_G_f32[1] 63.0084076 CDD_MtrCurrQax_Amp_G_f32[0] -180.008408 CDD_MtrCurrQax_Amp_G_f32[0] 125.008408 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 3.6000013e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 1.6e-005 MtrPos_CorrectedMtrPos_Rev_G_u0p16 10027 Rte_Inst_Sa_CmMtrCurr k_MtrCurrOffLoComOff_Cnt_u16 630 k_MtrPosComputDelay_Sec_f32 4.8000017e-005	
CDD_MtrCurrK1_Amps_G_f32[0] -140.008408 CDD_MtrCurrK2_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 tg_Rte_Inst_Sa_CmMtrCurr k_MtrCurrOffLoComOff_Cnt_u16 630 k_MtrPosComputDelay_Sec_f32 4.80000017e-005	
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_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	
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_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	
CDD_MtrCurrK2_Amps_G_f32[1] 63.0084076 CDD_MtrCurrQax_Amp_G_f32[0] -180.008408 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	
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	
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	
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	
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	
CDD_Vecu_Volt_G_f32[1] 11.2700005 CmMtrCurr_MtrCurr_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	
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	
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	
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	
Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr k_MtrCurrOffLoComOff_Cnt_u16 630 k_MtrPosComputDelay_Sec_f32 4.80000017e-005	
k_MtrCurrOffLoComOff_Cnt_u16 630 k_MtrPosComputDelay_Sec_f32 4.80000017e-005	
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	esult
CDD_CorrMtrPosElec_Rev_G_f32[0] 0.23765564 ± 0.0000152587890625	~
CDD_CorrMtrPosElec_Rev_G_f32[1] 0.00891800039 0.00891800039 0.00891800039	✓
CDD_ElecPosDelayComp_Rad_G_f32 0.00832787342 0.00832787342 ± 0.0000152587890625	~
CDD_MtrCurr1_Volts_G_f32[0] 1.45421255 ± 32	✓
CDD_MtrCurr1_Volts_G_f32[1] 2.00840831 2.00840831 ± 32	~
CDD_MtrCurr2_Volts_G_f32[0] 0.0451770462 ± 32	✓
CDD_MtrCurr2_Volts_G_f32[1] 1.00840843 ± 32	~
CDD_MtrCurrDax_Amp_G_f32[0] 60.633665 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	

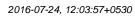
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Name	Input Value		
CDD_MtrCurrK2_Amps_G_f32[0]	-120.008667		
CDD_MtrCurrK2_Amps_G_f32[1]	25.0086632		
CDD_MtrCurrQax_Amp_G_f32[0]	-160.008667		
CDD_MtrCurrQax_Amp_G_f32[1]	120.008667		
CDD_MtrElecPol_Cnt_G_s8	1		
CDD_Vecu_Volt_G_f32[0]	13.5600004		
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	~

Actual Function Count Expec	cted Function	Count	Result
none 0 *** No 0	Call Expected ***	0	~

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	





Name	Input Value			
CDD_Vecu_Volt_G_f32[0]	14.5699997			
CDD_Vecu_Volt_G_f32[1]	13.29	13.29		
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	3.79999983e-005	3.7999983e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	1.80000006e-005	1.80000006e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	10289	10289		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	650	650		
k_MtrPosComputDelay_Sec_f32	4.99999987e-005	4.9999987e-005		
k_NoofPoles_Uls_f32	5.05101204	5.05101204		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.0999999	2.0999999		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	94.9250031	94.9250031		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	67.9250031	67.9250031		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.36800003	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	~	

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

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]	0.0099999978
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0109999999
CDD_MtrCurr1_Volts_G_f32[0]	2.00917292
CDD_MtrCurr1_Volts_G_f32[1]	1.0091728
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.0149999997
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0160000008
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

CurrDQPer1



Name	Input Value		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	660		
k_MtrPosComputDelay_Sec_f32	5.0999991e-005		
k_NoofPoles_Uls_f32	4.98552084		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.2000005		
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]	0.037999988	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				V
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~

Name	Input Value	
	1243	
Adc2_GetPhsBCurr_Cnt_u16_m Adc2_GetPhsCCurr_Cnt_u16_m	75	
CDD ADC2OffsetComp Cnt G u8p8	3840	
CDD AppDataFwdPthAccessBfr Cnt G u16	1	
	0	
CDD_CDDDataAccessBfr_Cnt_G_u16		
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.039000008	
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	
DD_MtrCurrQax_Amp_G_f32[0]	-200.00943	
DD_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	3.999999e-005	
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	1.9999995e-005	
MtrPos_CorrectedMtrPos_Rev_G_u0p16	10551	
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	
 MtrCurrOffLoComOff_Cnt_u16	670	
MtrPosComputDelay Sec f32	5.19999994e-005	
C_NoofPoles_Uls_f32	5.24843407	
gt 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				V
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~





Test Step 2.40 (Repeat Count = 1) Name	Input Value		
Adc2 GetPhsBCurr Cnt u16 m	1254		
Add2_GetPhsCCurr_Cnt_u16_m	83		
CDD_ADC2OffsetComp_Cnt_G_u8p8	768		
CDD AppDataFwdPthAccessBfr Cnt G u16	0		
CDD CDDDataAccessBfr Cnt G u16	1		
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.039999991		
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0101920003		
CDD_DCPhsBComp_Cnt_G_u16p0	2278		
CDD_DCPhsCComp_Cnt_G_u16p0	2564		
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-44.3650017		
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	83.3649979		
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0120000001		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0130000003		
CDD_MtrCurr1_Volts_G_f32[0]	1.00968242		
CDD_MtrCurr1_Volts_G_f32[1]	2.00968242		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0260000005		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0260000005		
CDD_MtrCurr2_Volts_G_f32[0]	1.00968242		
CDD_MtrCurr2_Volts_G_f32[1]	2.00968242		
CDD_MtrCurrDax_Amp_G_f32[0]	-140.009689		
CDD_MtrCurrDax_Amp_G_f32[1]	63.0096817		
CDD_MtrCurrK1_Amps_G_f32[0]	5.00968218		
CDD_MtrCurrK1_Amps_G_f32[1]	30.0096817		
CDD_MtrCurrK2_Amps_G_f32[0]	-140.009689		
CDD_MtrCurrK2_Amps_G_f32[1]	63.0096817		
CDD_MtrCurrQax_Amp_G_f32[0]	-180.009689		
CDD_MtrCurrQax_Amp_G_f32[1]	125.009682		
CDD_MtrElecPol_Cnt_G_s8	1		
CDD_Vecu_Volt_G_f32[0]	17.6000004		
CDD_Vecu_Volt_G_f32[1]	16.3199997		
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	4.0999993e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	2.0999998e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	10682		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	680		
k_MtrPosComputDelay_Sec_f32	5.2999998e-005		
k_NoofPoles_UIs_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 2.37100005		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal	Form a stand Walton	D
Name	110111111111111111111111111111111111111	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.039999991	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] CDD MtrCurr2 Volts G f32[0]	1.52747262 1.00968242	1.52747262 ± 32 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	

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	





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]	0.024000002		
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	5.4000001e-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				V
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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CurrDQPer1 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 -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_MtrCurrDax_Amp_G_f32[0] 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 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 tgt_Rte_Inst_Sa_CmMtrCurr 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_VoltpVoltCnt_M_f32	4.50000007e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	3.30000003e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	11207		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	720		
k_MtrPosComputDelay_Sec_f32	5.70000011e-005		
k_NoofPoles_Uls_f32	3.50456953		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.79999995		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	101.099998		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	81.0999985		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.375		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.043999998	0.0439999998 ± 0.0000152587890625	~
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0890350342	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	✓

Т				
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

CurrDQPer1



	1		
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

CurrDQPer1



Name	Input Value		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	
k_MtrCurrOffLoComOff_Cnt_u16	780		
k_MtrPosComputDelay_Sec_f32	6.2999995e-005		
k_NoofPoles_Uls_f32	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				V
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~

lame dc2_GetPhsBCurr_Cnt_u16_m dc2_GetPhsCCurr_Cnt_u16_m dD_ADC2OffsetComp_Cnt_G_u8p8	Input Value 1375 159	
dc2_GetPhsCCurr_Cnt_u16_m DD_ADC2OffsetComp_Cnt_G_u8p8	159	
DD_ADC2OffsetComp_Cnt_G_u8p8		
	9216	
DD AppDataFwdPthAccessBfr Cnt G u16	0	
DD_AppDataFwdFtilAccessBil_Cit_G_u16	0	
DD_CDDDataAccessbil_Cfil_G_u16 DD CorrMtrPosElec Rev G f32[0]	0.050999999	
	0.0129947998	
DD_CorrMtrPosElec_Rev_G_f32[1]	3367	
DD_DCPhsBComp_Cnt_G_u16p0	3774	
DD_DCPhsCComp_Cnt_G_u16p0		
DD_MRFMtrVel_MtrRadpS_G_f32[0]	-52.2750015 82.2750015	
DD_MRFMtrVel_MtrRadpS_G_f32[1]		
DD_MtrCurr1TempOffset_Volt_G_f32[0]	0.023	
DD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0240000002	
DD_MtrCurr1_Volts_G_f32[0]	0.0124851996	
DD_MtrCurr1_Volts_G_f32[1]	2.01248527	
DD_MtrCurr2TempOffset_Volt_G_f32[0]	0.023	
DD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0240000002	
DD_MtrCurr2_Volts_G_f32[0]	0.0124851996	
DD_MtrCurr2_Volts_G_f32[1]	1.01248515	
DD_MtrCurrDax_Amp_G_f32[0]	-120.012482	
DD_MtrCurrDax_Amp_G_f32[1]	25.0124855	
DD_MtrCurrK1_Amps_G_f32[0]	8.0124855	
DD_MtrCurrK1_Amps_G_f32[1]	28.0124855	
DD_MtrCurrK2_Amps_G_f32[0]	-120.012482	
DD_MtrCurrK2_Amps_G_f32[1]	25.0124855	
DD_MtrCurrQax_Amp_G_f32[0]	-160.012482	
DD_MtrCurrQax_Amp_G_f32[1]	120.012482	
DD_MtrElecPol_Cnt_G_s8	-1	
DD_Vecu_Volt_G_f32[0]	28.7099991	
DD_Vecu_Volt_G_f32[1]	8.77999973	
mMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	5.50000004e-005	
mMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	3.999999e-005	
ltrPos_CorrectedMtrPos_Rev_G_u0p16	65535	
te_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	
_MtrCurrOffLoComOff_Cnt_u16	790	
_MtrPosComputDelay_Sec_f32	6.3999998e-005	
_NoofPoles_Uls_f32 pt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32	4.50823975 1.3999998	

CurrDQPer1

CDD_MtrCurrK2_Amps_G_f32[1]

CDD_MtrCurrQax_Amp_G_f32[0]

 $CDD_MtrCurrQax_Amp_G_f32[1]$

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 $25.0124855 \pm 0.0000152587890625$

220 ± 0.03

 120.012482 ± 0.03

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 **Actual Value Expected Value** Result Name CDD_CorrMtrPosElec_Rev_G_f32[0] 0.0821075439 0.0821075439 ± 0.0000152587890625 CDD_CorrMtrPosElec_Rev_G_f32[1] 0.0129947998 $0.0129947998 \pm 0.0000152587890625$ 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 ± 32 0.150183156 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 ± 0.0000152587890625 5.51565886

T				V
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~

25.0124855

120.012482

220





Test Step 2.49 (Repeat Count = 1) Name	Input Value		
Adc2 GetPhsBCurr Cnt u16 m	1386		
Add2_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]	-44.2999992		
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	89.3000031		
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0240000002		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0250000004		
CDD_MtrCurr1_Volts_G_f32[0]	1.01605237		
CDD_MtrCurr1_Volts_G_f32[1]	2.01605248		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.0240000002		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0250000004		
CDD_MtrCurr2_Volts_G_f32[0]	1.01605237		
CDD_MtrCurr2_Volts_G_f32[1]	2.01605248		
CDD_MtrCurrDax_Amp_G_f32[0]	-200.012741		
CDD_MtrCurrDax_Amp_G_f32[1]	198.012741		
CDD_MtrCurrK1_Amps_G_f32[0]	6.01274014		
CDD_MtrCurrK1_Amps_G_f32[1]	25.0127392		
CDD_MtrCurrK2_Amps_G_f32[0]	-200.012741		
CDD_MtrCurrK2_Amps_G_f32[1]	198.012741		
CDD_MtrCurrQax_Amp_G_f32[0]	-140.012741		
CDD_MtrCurrQax_Amp_G_f32[1]	63.0127411		
CDD_MtrElecPol_Cnt_G_s8	1		
CDD_Vecu_Volt_G_f32[0]	29.7199993		
CDD_Vecu_Volt_G_f32[1]	9.78999996		
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	9.7999968e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	4.0999993e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	32768		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr 800		
k_MtrCurrOffLoComOff_Cnt_u16			
k_MtrPosComputDelay_Sec_f32	6.50000002e-005 2.97059679		
k_NoofPoles_Uls_f32	1.5		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	1.9		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	97.300003		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.3829999		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
		•	Result
CDD_CorrMtrPosElec_Rev_G_f32[0] CDD CorrMtrPosElec Rev G f32[1]	0.0520000011 0.418045044	0.0520000011 ± 0.0000152587890625 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	j
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	





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	4.1999997e-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_UIs_f32	4.07683086 1.60000002		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	110.324997		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	99.3249969		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	2.38400006		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal	Formanda d Walton	D
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] CDD_MtrCurrDax_Amp_G_f32[0]	1.01299477 155.378952	1.01299477 ± 32 155.378952	
CDD_MtrCurrDax_Amp_G_f32[0] CDD_MtrCurrDax_Amp_G_f32[1]	125.012993	125.012993	
	311.672607	311.672607 ± 32	
CDD_MtrCurrK1_Amps_G_f32[0] CDD_MtrCurrK1_Amps_G_f32[1]	27.0129948	27.0129948 ± 32	
CDD_MtrCurrK1_Amps_G_f32[1] CDD_MtrCurrK2_Amps_G_f32[0]	27.0129948 189.938965	27.0129948 ± 32 189.938965 ± 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				V
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	•

Τ				V
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]	-0.021999999		
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	7.999998e-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	1.7999995		
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	•
		-7.30865431 ± 0.0000152587890625	•
CDD_MtrCurrK2_Amps_G_f32[0]	-7.30865431	7.00000101 ± 0.0000102001000020	
CDD_MtrCurrK2_Amps_G_f32[0] CDD_MtrCurrK2_Amps_G_f32[1]	-7.30865431 63.013504	63.013504 ± 0.0000152587890625	•
			•

Τ				✓
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_MtrCurrK2_Amp_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[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 CmMtrCur_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 0 MtrPos_CorrectedMtrPos_Rev_G_u0p16 17433 Rte Inst Sa CmMtrCurr tgt Rte Inst Sa CmMtrCurr
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_MtrCurrK2_Amps_G_f32[1] 28.0137596 CDD_MtrCurrK2_Amps_G_f32[0] -120.013756 CDD_MtrCurrQax_Amp_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_MtrCurrIOffDelta_VoltpVoltCnt_M_f32 6.19999992e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 0 MtrPos_CorrectedMtrPos_Rev_G_u0p16 17433
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_MtrCurrOffDelta_VoltpVoltCnt_M_f32 6.19999992e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 0 MtrPos_CorrectedMtrPos_Rev_G_u0p16 17433
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
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
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
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
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
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
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
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
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
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32 6.19999992e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 0 MtrPos_CorrectedMtrPos_Rev_G_u0p16 17433
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 0 MtrPos_CorrectedMtrPos_Rev_G_u0p16 17433
MtrPos_CorrectedMtrPos_Rev_G_u0p16 17433
Rte Inst Sa CmMtrCurr
rto_mor_ou_onnintioun
k_MtrCurrOffLoComOff_Cnt_u16 840
k_MtrPosComputDelay_Sec_f32 6.9000015e-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 ± 0.0000152587890625 ✓
CDD_CorrMtrPosElec_Rev_G_f32[1] 0.18170166 ± 0.0000152587890625 ✓
CDD_ElecPosDelayComp_Rad_G_f32
CDD_MtrCurr1_Volts_G_f32[0] 1.01375926 ± 32 ✓
CDD_MtrCurr1_Volts_G_f32[1] 1.68376076 ± 32 ✓
CDD_MtrCurr2_Volts_G_f32[0] 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
CDD_MtrCurrK1_Amps_G_f32[0] 7.01375914 ± 32 ✓
CDD_MtrCurrK1_Amps_G_f32[1] 417.035187 417.035156 ± 32 ✓
CDD_MtrCurrK2_Amps_G_f32[0] -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

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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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Actual Function

CDD_CorrMtrPosElec_Rev_G_f32[0] CDD_CorrMtrPosElec_Rev_G_f32[1]

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	6.2999995e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	0.000171428997		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	19268		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	850		
k_MtrPosComputDelay_Sec_f32	7.00000019e-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	~

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		

0.0579999983

0.0147783998

Count Expected Function

Count Result

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CDD_MtrCurrQax_Amp_G_f32[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	6.3999998e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	8.4999997e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	21103		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	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	~
		1	

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

220 ± 0.03

220

Test Step 2.56 (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
CDD_DCPhsCComp_Cnt_G_u16p0	4434
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	1.47500002
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	15.4750004
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0189999994
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0179999992
CDD_MtrCurr1_Volts_G_f32[0]	2.01452351
CDD_MtrCurr1_Volts_G_f32[1]	1.01452363
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0189999994
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0179999992
CDD_MtrCurr2_Volts_G_f32[0]	2.01452351
CDD_MtrCurr2_Volts_G_f32[1]	1.01452363
CDD_MtrCurrDax_Amp_G_f32[0]	-160.014526
CDD_MtrCurrDax_Amp_G_f32[1]	120.014526
CDD_MtrCurrK1_Amps_G_f32[0]	4.01452351
CDD_MtrCurrK1_Amps_G_f32[1]	18.0145245
CDD_MtrCurrK2_Amps_G_f32[0]	-160.014526
CDD_MtrCurrK2_Amps_G_f32[1]	120.014526
CDD_MtrCurrQax_Amp_G_f32[0]	-120.014526
CDD_MtrCurrQax_Amp_G_f32[1]	25.0145245
CDD_MtrElecPol_Cnt_G_s8	-1
CDD_Vecu_Volt_G_f32[0]	9.78999996
CDD_Vecu_Volt_G_f32[1]	16.8600006
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	6.50000002e-005
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	6.19999992e-005
MtrPos_CorrectedMtrPos_Rev_G_u0p16	1442

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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				V
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~

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	
DD_MtrCurrQax_Amp_G_f32[0]	-140.014786	
CDD_MtrCurrQax_Amp_G_f32[1]	63.0147781	
CDD_MtrElecPol_Cnt_G_s8	1	
CDD_Vecu_Volt_G_f32[0]	10.8000002	
CDD_Vecu_Volt_G_f32[1]	17.8700008	
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	6.60000005e-005	
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	6.2999995e-005	
MtrPos_CorrectedMtrPos_Rev_G_u0p16	1573	
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	
MtrCurrOffLoComOff Cnt u16	880	
MtrPosComputDelay Sec f32	0.000107	
NoofPoles_Uls_f32	2.10435843	
gt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32	2.2999995	

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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]	0.059999987	0.0599999987 ± 0.0000152587890625	✓
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.941009521	0.941009521 ± 0.0000152587890625	✓
CDD_ElecPosDelayComp_Rad_G_f32	0.00208278862	$0.00208278885 \pm 0.0000152587890625$	•
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		✓
CDD_MtrCurr2_Volts_G_f32[1]	0.518925548		





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	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	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		1.4999996e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32		6.3999998e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	1704			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
k_MtrCurrOffLoComOff_Cnt_u16	890 0.000108			
k_MtrPosComputDelay_Sec_f32	4.04976606			
k_NoofPoles_Uls_f32 tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32	2.400001			
	72.5250015			
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 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	
			Nesuit	
CDD_CorrMtrPosElec_Rev_G_f32[0] CDD_CorrMtrPosElec_Rev_G_f32[1]	0.109375 0.0155427996	0.109375 ± 0.0000152587890625 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	V	
CDD_MtrCurrDax_Amp_G_f32[1]	63.0150337	63.0150337	_	
CDD MtrCurrK1 Amps G f32[0]	288.248108	288.248138 ± 32	V	
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	





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]	-0.019999996		
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	1.8999998		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	62.5499992		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	46.5499992		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.421		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.061999999	0.061999999 ± 0.0000152587890625	~
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.933120728	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	~

Т				V
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	1.7000003e-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	0.00010399999		
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	Resul
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0160524007	0.0160524007 ± 0.0000152587890625	
CDD_Commur-osciec_Rev_G_i32[i] CDD ElecPosDelayComp Rad G f32	0.000176269474	0.000176269474 ± 0.0000152587890625	
	2.1282053		
CDD_MtrCurr1_Volts_G_f32[0]		2.1282053 ± 32 4.01554298 ± 32	
CDD_MtrCurr1_Volts_G_f32[1]	4.01554298		
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	1.4999996e-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	~
ODD M+-00 A O 600101	-140.015793	-140.015793 ± 0.03	✓
CDD_MtrCurrQax_Amp_G_f32[0]	. 10.0 10.00		

Τ					V
Actual Function	Count	Expected Function	Count	Res	ult
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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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 CDD_Vecu_Volt_G_f32[0] 15.8500004 CDD_Vecu_Volt_G_f32[1] 30.7299995 CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32 1.89999992e-005 1 6e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 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 **Actual Value Expected Value** Result CDD_CorrMtrPosElec_Rev_G_f32[0] 0.0649999976 ± 0.0000152587890625 0.0649999976 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] 230.357834 ± 32 230.357864 CDD_MtrCurrK2_Amps_G_f32[0] -120.016052 -120.016052 ± 0.0000152587890625 CDD_MtrCurrK2_Amps_G_f32[1] 108.192352 $108.192352 \pm 0.0000152587890625$ CDD_MtrCurrQax_Amp_G_f32[0]

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

-160.016052

220

-160.016052 ± 0.03

220 ± 0.03

Test Step 2.63 (Repeat Count = 1)	✓
Name	Input Value
Adc2_GetPhsBCurr_Cnt_u16_m	1441
Adc2_GetPhsCCurr_Cnt_u16_m	1441
CDD_ADC2OffsetComp_Cnt_G_u8p8	20736
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0659999996
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0168168005
CDD_DCPhsBComp_Cnt_G_u16p0	7150
CDD_DCPhsCComp_Cnt_G_u16p0	834
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-52.6500015
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	85.6500015
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0199999996
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0209999997
CDD_MtrCurr1_Volts_G_f32[0]	2.01630712
CDD_MtrCurr1_Volts_G_f32[1]	1.01630723
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.00200000009
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0209999997
CDD_MtrCurr2_Volts_G_f32[0]	2.01630712
CDD_MtrCurr2_Volts_G_f32[1]	1.01630723
CDD_MtrCurrDax_Amp_G_f32[0]	-200.016312
CDD_MtrCurrDax_Amp_G_f32[1]	198.016312
CDD_MtrCurrK1_Amps_G_f32[0]	8.01630688
CDD_MtrCurrK1_Amps_G_f32[1]	30.0163078

CDD_MtrCurrQax_Amp_G_f32[1]

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Actual Function

none

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	1.9999995e-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	7.0000019e-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	~

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	

125.016563

-120.016563

25.0165615

-1

Count Expected Function

0 *** No Call Expected ***

CDD_MtrCurrK2_Amps_G_f32[1]

CDD_MtrCurrQax_Amp_G_f32[0]

CDD_MtrCurrQax_Amp_G_f32[1]

CDD_MtrElecPol_Cnt_G_s8

Count Result

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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	2.0999998e-005	
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	1.80000006e-005	
MtrPos_CorrectedMtrPos_Rev_G_u0p16	21103	
Rte Inst Sa CmMtrCurr	tgt Rte Inst Sa CmMtrCurr	
k MtrCurrOffLoComOff Cnt u16	950	
k MtrPosComputDelay Sec f32	7.10000022e-005	
k NoofPoles Uls f32	4.59762669	
tqt 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 Valu	e Result
CDD CorrMtrPosElec Rev G f32[0]	0.0670000017 0.0670000017 ± 0	0.0000152587890625
CDD CorrMtrPosElec Rev G f32[1]	0.404174805	.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	2
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	~
CDD_MtrCurrK1_Amps_G_f32[1]	265.468781 265.468811 ± 32	~
CDD_MtrCurrK2_Amps_G_f32[0]	-180.016556 ± 0.0	0000152587890625
CDD_MtrCurrK2_Amps_G_f32[1]	102.525459 102.525452 ± 0.0	0000152587890625
CDD_MtrCurrQax_Amp_G_f32[0]	-120.016563 -120.016563 ± 0.0	03
CDD MtrCurrQax Amp G f32[1]	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	~

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	
	-0.0250000004	
CDD_MtrCurr1TempOffset_Volt_G_f32[0] CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0240000002	
	2.00025487	
CDD_MtrCurr1_Volts_G_f32[0]		
CDD_MtrCurr1_Volts_G_f32[1]	1.00025475	
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0099999978	
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.00899999961	
CDD_MtrCurr2_Volts_G_f32[0]	2.00015473	
CDD_MtrCurr2_Volts_G_f32[1]	2.00025487	
CDD_MtrCurrDax_Amp_G_f32[0]	-120.000252	
CDD_MtrCurrDax_Amp_G_f32[1]	25.0002556	
CDD_MtrCurrK1_Amps_G_f32[0]	-200.000259	
CDD_MtrCurrK1_Amps_G_f32[1]	198.000259	
CDD_MtrCurrK2_Amps_G_f32[0]	-120.000252	
CDD_MtrCurrK2_Amps_G_f32[1]	25.0002556	
CDD_MtrCurrQax_Amp_G_f32[0]	-140.000259	
CDD_MtrCurrQax_Amp_G_f32[1]	63.0002556	
CDD_MtrElecPol_Cnt_G_s8	1	
CDD_Vecu_Volt_G_f32[0]	7.23000002	
CDD_Vecu_Volt_G_f32[1]	6.48999977	
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	
c_MtrCurrOffLoComOff_Cnt_u16	970	
_MtrPosComputDelay_Sec_f32	2.4999994e-005	
<_NoofPoles_Uls_f32	3.3035264	
gt_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				V
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~



Test Step 2.67 (Repeat Count = 1)	Innut Velue			
Name	Input Value			
Adc2_GetPhsBCurr_Cnt_u16_m	1859			
Adc2_GetPhsCCurr_Cnt_u16_m	495			
CDD_ADC2OffsetComp_Cnt_G_u8p8		23808		
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0			
CDD_CDDDataAccessBfr_Cnt_G_u16	0			
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0700000003			
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0680000037 4159			
CDD_DCPhsBComp_Cnt_G_u16p0 CDD_DCPhsCComp_Cnt_G_u16p0				
CDD_DCPhsCComp_Cnt_G_u16p0 CDD_MREMth(cl_MtrDedps_C_f23f0)	4654 1.75			
CDD_MRFMtrVel_MtrRadpS_G_f32[0] CDD MRFMtrVel MtrRadpS G f32[1]	16.75			
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0199999996			
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0219999999			
CDD_MtrCurr1_Volts_G_f32[0]	1.01732635			
CDD_MtrCurr1_Volts_G_f32[1]	2.01732635			
CDD MtrCurr2TempOffset Volt G f32[0]	-0.00200000009			
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0219999999			
CDD_MtrCurr2_Volts_G_f32[0]	2.01732635			
CDD_MtrCurr2_Volts_G_f32[1]	1.01732635			
CDD_MtrCurrDax_Amp_G_f32[0]	-140.017334			
CDD_MtrCurrDax_Amp_G_f32[1]	63.0173264			
CDD MtrCurrK1 Amps G f32[0]	4.01732635			
CDD MtrCurrK1 Amps G f32[1]	19.0173264			
CDD_MtrCurrK2_Amps_G_f32[0]	-140.017334			
CDD_MtrCurrK2_Amps_G_f32[1]	63.0173264			
CDD_MtrCurrQax_Amp_G_f32[0]	-120.017326			
CDD_MtrCurrQax_Amp_G_f32[1]	25.0173264			
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	2.40000008e-005			
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	2.09999998e-005			
MtrPos_CorrectedMtrPos_Rev_G_u0p16	1704			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
k_MtrCurrOffLoComOff_Cnt_u16	980			
k_MtrPosComputDelay_Sec_f32	0.000108			
k_NoofPoles_Uls_f32	4.8907547			
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.4000001			
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	72.75			
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	51.75			
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.42600012			
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal			
Name	Actual Value	Expected Value	Resu	
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.109405518	0.109405518 ± 0.0000152587890625		
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0680000037	0.0680000037 ± 0.0000152587890625		
CDD_ElecPosDelayComp_Rad_G_f32	0.000462176307	0.000462176307 ± 0.0000152587890625		
CDD_MtrCurr1_Volts_G_f32[0]	2.15628815	2.15628815 ± 32		
CDD_MtrCurr1_Volts_G_f32[1]	2.01732635	2.01732635 ± 32		
CDD_MtrCurr2_Volts_G_f32[0]	0.490842521	0.490842521 ± 32		
CDD_MtrCurr2_Volts_G_f32[1]	1.01732635	1.01732635 ± 32		
CDD_MtrCurrDax_Amp_G_f32[0]	184.649704	184.649704		
CDD_MtrCurrDax_Amp_G_f32[1]	63.0173264	63.0173264		
CDD_MtrCurrK1_Amps_G_f32[0]	212.939148	212.939148 ± 32		
CDD_MtrCurrK1_Amps_G_f32[1]	19.0173264	19.0173264 ± 32		
CDD_MtrCurrK2_Amps_G_f32[0]	31.6313877	31.6313877 ± 0.0000152587890625		
CDD_MtrCurrK2_Amps_G_f32[1]	63.0173264	63.0173264 ± 0.0000152587890625		
CDD_MtrCurrQax_Amp_G_f32[0]	110.671188	110.671181 ± 0.03		
CDD_MtrCurrQax_Amp_G_f32[1]	25.0173264	25.0173264 ± 0.03		

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

Test Step 2.68 (Repeat Count = 1)		✓.
Name	Input Value	
Adc2_GetPhsBCurr_Cnt_u16_m	1452	
Adc2_GetPhsCCurr_Cnt_u16_m	218	
CDD_ADC2OffsetComp_Cnt_G_u8p8	14592	





Name	Input Value			
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0			
CDD_CDDDataAccessBfr_Cnt_G_u16	1			
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.0579999983	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]	0.0049999989			
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0060000005			
CDD_MtrCurr2_Volts_G_f32[0]	1.01426876			
CDD_MtrCurr2_Volts_G_f32[1]	4.01426888			
CDD_MtrCurrDax_Amp_G_f32[0]	-180.014267			
CDD_MtrCurrDax_Amp_G_f32[1]	125.014267			
CDD_MtrCurrK1_Amps_G_f32[0]	3.01426888			
CDD_MtrCurrK1_Amps_G_f32[1]	9.01426888			
CDD MtrCurrK2 Amps G f32[0]	-180.014267			
CDD_MtrCurrK2_Amps_G_f32[1]	125.014267			
CDD_MtrCurrQax_Amp_G_f32[0]	-120.014267			
CDD_MtrCurrQax_Amp_G_f32[1]	25.0142689			
CDD_MtrElecPol_Cnt_G_s8	1			
CDD_Vecu_Volt_G_f32[0]	8.77999973			
CDD_Vecu_Volt_G_f32[1]	15.8500004			
CmMtrCurr MtrCurr1OffDelta VoltpVoltCnt M f32	6.3999998e-005			
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	8.49999997e-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	Resul	
CDD CorrMtrPosElec Rev G f32[0]	0.0579999983	0.0579999983 ± 0.0000152587890625	Resul	
	0.0379999983	0.0379999983 ± 0.0000152587690025 0.23815918 ± 0.0000152587890625		
CDD_CorrMtrPosElec_Rev_G_f32[1] 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] CDD_MtrCurr2_Volts_G_f32[0]	1.70329678 1.01426876	1.70329678 ± 32		
		1.01426876 ± 32		
CDD_MtrCurr2_Volts_G_f32[1] CDD_MtrCurrDay_Amp_G_f32[0]	0.1965812 -180.014267	0.1965812 ± 32 -180.014267		
CDD_MtrCurrDax_Amp_G_f32[0] CDD_MtrCurrDay_Amp_G_f32[1]		-94.2807541		
CDD_MtrCurrV4_Ampa_C_f32[1]	-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	1	
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]	15.4750004		
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0189999994		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0179999992		
CDD MtrCurr1 Volts G f32[0]	2.01452351		
CDD_MtrCurr1_Volts_G_f32[1]	1.01452363		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0189999994		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0179999992		
CDD_MtrCurr2_Volts_G_f32[0]	2.01452351		
CDD_MtrCurr2_Volts_G_f32[1]	1.01452363		
CDD_MtrCurrDax_Amp_G_f32[0]	-160.014526		
CDD_MtrCurrDax_Amp_G_f32[1]	120.014526		
CDD_MtrCurrK1_Amps_G_f32[0]	4.01452351		
CDD_MtrCurrK1_Amps_G_f32[1]	18.0145245		
CDD_MtrCurrK2_Amps_G_f32[0]	-160.014526		
CDD_MtrCurrK2_Amps_G_f32[1]	120.014526		
CDD_MtrCurrQax_Amp_G_f32[0]	-120.014526		
CDD_MtrCurrQax_Amp_G_f32[1]	25.0145245		
CDD_MtrElecPol_Cnt_G_s8	-1		
CDD_Vecu_Volt_G_f32[0]	9.78999996		
CDD_Vecu_Volt_G_f32[1]	16.8600006		
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	6.50000002e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	6.19999992e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	1442		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	1500		
k_MtrPosComputDelay_Sec_f32	0.000106		
k_NoofPoles_Uls_f32	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]	0.059999987	
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.015288	
CDD_DCPhsBComp_Cnt_G_u16p0	4060	
CDD_DCPhsCComp_Cnt_G_u16p0	4544	
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	2.5	
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	18.5	
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0219999999	
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0219999999	

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DOD_MicCurt Voils_G_128[0]	Name	Input Value		
CDD_Micrur2TempOffiset_Volt_G_[32[1]	CDD_MtrCurr1_Volts_G_f32[0]	2.01477838		
CDD, MrCurz Yoths, G, [32(1)	CDD_MtrCurr1_Volts_G_f32[1]	1.01477838		
CDD_MtrCurr_Q Volts_G_132[1]	CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0219999999		
CDD, MrCurr2, Vols. G, [32[1] 2.01477838	CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0219999999		
CDD, MrCurr2, Vols. G, [32[1] 2.01477838	CDD_MtrCurr2_Volts_G_f32[0]	1.01477838		
SDD MrCumPax Amp. G. 132[1] S. 3.01477818		2.01477838		
DDD MtrCurrK1_Amps_G_132(1)	CDD_MtrCurrDax_Amp_G_f32[0]	-140.014786		
DOD_MtrCurrK1_Amps_G_132[1]	CDD_MtrCurrDax_Amp_G_f32[1]	63.0147781		
CDD MirCurrK2 Amps G 52 0	CDD_MtrCurrK1_Amps_G_f32[0]	3.01477838		
CDD MtrCurr(x2 Amps_G_132[1]	CDD_MtrCurrK1_Amps_G_f32[1]	10.0147781		
CDD_MITCurrQax_Amp_G_132[1]	CDD_MtrCurrK2_Amps_G_f32[0]	-140.014786		
CDD_MITCurrQax_Amp_G_R32[1]	CDD_MtrCurrK2_Amps_G_f32[1]	63.0147781		
CDD_MtrEleePol_Cnt_G_s8		-140.014786		
CDD_vecu_Volt_G_f32[0]	CDD MtrCurrQax Amp G f32[1]	63.0147781		
CDD_vecu_volt_G_[32[1]	CDD MtrElecPol Cnt G s8	1		
CmMirCurr_MirCurr2OffDelta_VoltpVoltCnt_M_f32 6.29999995-005 MirPos_CorrectedMirPos_Rev_G_u0p16 1573 Rite_Inst_Sa_CmMirCurr k_MtrCurr2OffLoComOff_Cnt_u16 658 k_MtrPosComputDelay_See_f32 0.000107 k_NoofPoles_Uls_f32 3.223979 stg_Pim_ShCurrCal_EDLMirCurr1Offsetto_Volts_f32 2.29999995 stg_Pim_ShCurrCal_EDLMirCurr2Offsetto_Volts_f32 2.29999995 stg_Pim_ShCurrCal_EDLMirCurr2Offsetto_Volts_f32 2.42499995 stg_Pim_ShCurrCal_EDLMirCurr2Offsetto_Volts_Gas_f32[0] 0.0599999987 0.059999987 e.0000152587890625 stg_Pim_ShCurrCal_EDLMirCurr2Volts_Gas_f32[0] 0.0599999987 0.059999987 e.0000152587890625 stg_Pim_ShCurrCal_EDLMirCurr2Volts_Gas_f32[0] 0.01477838 0.041177388 0.041177388 2.214748723 2.17448723 2.17448723 2.17448723 2.2148	CDD Vecu Volt G f32[0]	10.8000002		
CmMtrCurr_MtrCurr20ffDelta_VoltpVoltCnt_M_f32		17.8700008		
Mitros CorrectedMitros Rev_G_u0p16 1573 1574		6.60000005e-005		
Rte_Inst_Sa_CmMtrCurr	CmMtrCurr MtrCurr2OffDelta VoltpVoltCnt M f32	6.29999995e-005		
k_MtrCurrOffLoComOff_Cnt_u16 658 k_MtrPosComputDelay_Sec_f32 0.000107 k_NoofPoles_UIs_f32 3.223979 tgt_Pim_ShCurrCal_EOLMrCurr1OffsetLo_Volts_f32 2.29999995 tgt_Pim_ShCurrCal_EOLPhscurr1Gain_AmpspVolt_f32 70.5 tgt_Pim_ShCurrCal_EOLPhscurr2Gain_AmpspVolt_f32 50.5 tgt_Pim_ShCurrCal_EOLMrCurr2OffsetLo_Volts_f32 2.42499995 tgt_Re_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] 0.941177388 0.941177368 ± 0.0000152587890625 ✓ CDD_CorrMtrPosElec_Rev_G_f32[0] 2.01477838 2.01477838 ± 32 ✓ CDD_MtrCurr1_Volts_G_f32[0] 2.01477838 2.01477838 ± 32 ✓ CDD_MtrCurr2_Volts_G_f32[0] 1.01477838 1.01477838 ± 32 ✓ CDD_MtrCurr_V_Volts_G_f32[1] 0.518925548 0.518925548 ± 32 ✓ CDD_MtrCurr_V_Volts_G_f32[0] 1.01477838 1.01477838 ± 32 ✓ CDD_MtrCurr_X_Amp_G_f32[0]	MtrPos CorrectedMtrPos Rev G u0p16	1573		
k_MtrCurrOffLoComOff_Cnt_u16 658 k_MtrPosComputDelay_Sec_f32 0.000107 k_NoofPoles_UIs_f32 3.223979 tgt_Pim_ShCurrCal_EOLMrCurr1OffsetLo_Volts_f32 2.29999995 tgt_Pim_ShCurrCal_EOLPhscurr1Gain_AmpspVolt_f32 70.5 tgt_Pim_ShCurrCal_EOLPhscurr2Gain_AmpspVolt_f32 50.5 tgt_Pim_ShCurrCal_EOLMrCurr2OffsetLo_Volts_f32 2.42499995 tgt_Re_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] 0.941177388 0.941177368 ± 0.0000152587890625 ✓ CDD_CorrMtrPosElec_Rev_G_f32[0] 2.01477838 2.01477838 ± 32 ✓ CDD_MtrCurr1_Volts_G_f32[0] 2.01477838 2.01477838 ± 32 ✓ CDD_MtrCurr2_Volts_G_f32[0] 1.01477838 1.01477838 ± 32 ✓ CDD_MtrCurr_V_Volts_G_f32[1] 0.518925548 0.518925548 ± 32 ✓ CDD_MtrCurr_V_Volts_G_f32[0] 1.01477838 1.01477838 ± 32 ✓ CDD_MtrCurr_X_Amp_G_f32[0]	Rte Inst Sa CmMtrCurr	tgt Rte Inst Sa CmMtrCurr		
Section Sect		658		
Section Sect	k MtrPosComputDelay Sec f32	0.000107		
tgt_Pim_ShCurrCal.EOLMtrCurr1Offsett.o_Volts_f32 tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32 tgt_Pim_ShCurrCal.EOLLPhscurr2Offsett.o_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2Offsett.o_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2Offsett.o_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr.Pim_ShCurrCal tgt_Pim_ShCurrCal	k NoofPoles Uls f32	3.223979		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2Offsett_o_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2Offsett_o_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal tgt_Pim_ShCurrCal.EOLMtrCurr.Pim_ShCurrCal tgt_Pim_ShCurrCal.EOLMtrCurr.Pim_ShCurrCal tgt_Pim_ShCurrCal tgt_Pim_ShCurrCal		2.2999995		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsettLo_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_MtrCurr2_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_MtrCurrN1_Amps_G_f32[0] 3.01477838 3.01477838 ± 32 ✓ CDD_MtrCurrN2_Amps_G_f32[0] 3.01477838 3.01477838 ± 32 ✓ CDD_MtrCurrK2_Amps_G_f32[0] 3.01477838 3.01477838 ± 32 ✓ CDD_MtrCurrK2_Amps_G_f32[1] 618.623657 618.623657 ± 32 ✓ <td></td> <td>70.5</td> <td></td> <td></td>		70.5		
Igt_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 0.003190993326 ± 0.0000152587890625 ✓ CDD_MtrCurr1_Voits_G_f32[0] 2.01477838 2.01477838 ± 32 ✓ CDD_MtrCurr1_Voits_G_f32[1] 2.17948723 2.17948723 ± 32 ✓ CDD_MtrCurr2_Voits_G_f32[0] 1.01477638 1.01477838 ± 32 ✓ CDD_MtrCurr2_Voits_G_f32[1] 0.518925548 0.518925548 ± 32 ✓ CDD_MtrCurrDax_Amp_G_f32[0] -140.014786 -140.014786 ✓ CDD_MtrCurrN1_Amps_G_f32[1] 220 220 20 CDD_MtrCurrK1_Amps_G_f32[1] 618.623657 618.623657 ± 32 ✓ CDD_MtrCurrK2_Amps_G_f32[1] 23.9609241 23.9609241 ± 0.0000152587890625 ✓ CDD_MtrCurrR2_Amp_G_f32[1] 23.9609241 23.9609241 ± 0.0000152587890625 ✓	tgt Pim ShCurrCal.EOLPhscurr2Gain AmpspVolt f32	50.5		
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_Voits_G_f32[0] 2.01477838 2.01477838 ± 32 ✓ CDD_MtrCurr1_Voits_G_f32[1] 2.17948723 2.17948723 ± 32 ✓ CDD_MtrCurr2_Voits_G_f32[0] 1.01477838 1.01477838 ± 32 ✓ CDD_MtrCurr2_Voits_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_MtrCurrK2_Amps_G_f32[1] 618.623657 618.623657 ± 32 ✓ CDD_MtrCurrK2_Amps_G_f32[1] 23.9609241 23.9609241 ± 0.0000152587890625 ✓ CDD_MtrCurrQax_Amp_G_f32[0] -140.014786 -140.014786 ± 0.03	tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32	2.42499995		
Name Actual Value Expected Value Result CDD_CornMtrPosElec_Rev_G_f32[0] 0.0599999987 0.0599999987 ± 0.0000152587890625 ✓ CDD_CornMtrPosElec_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_MtrCurrK2_Amps_G_f32[1] 618.623657 618.623657 ± 32 ✓ CDD_MtrCurrK2_Amps_G_f32[0] -140.014786 -140.014786 ± 0.0000152587890625 ✓ CDD_MtrCurrQax_Amps_G_f32[1] 23.9609241 23.9609241 ± 0.000015258		tgt Pim ShCurrCal		
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_MtrCurr2_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	Name	Actual Value	Expected Value	Result
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_MtrCurr2_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_MtrCurrK2_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_ElecPosDelayComp_Rad_G_f32 0.00319093326 0.00319093326 ± 0.0000152587890625 CDD_MtrCurr1_Volts_G_f32[0] 2.01477838 2.01477838 ± 32 CDD_MtrCurr2_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_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_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_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_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_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_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_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_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 ✓		3.01477838	3.01477838 ± 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_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[0] -140.014786 -140.014786 ± 0.03 ✓				
				~
	_	1 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

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]	0.0099999978
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0109999999
CDD_MtrCurr2_Volts_G_f32[0]	0.0104467999

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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 CDD_Vecu_Volt_G_f32[0] 20.6299992 CDD_Vecu_Volt_G_f32[1] 19.3500004 CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32 4.40000003e-005 2.40000008e-005 CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32 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 **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 $0.0109564001 \pm 0.0000152587890625$ 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 $125.010445 \pm 0.0000152587890625$

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

25.0104465

 220 ± 0.03

25.0104465 ± 0.03

220

Test Step 2.72 (Repeat Count = 1)	✓
Name	Input Value
Adc2_GetPhsBCurr_Cnt_u16_m	1298
Adc2_GetPhsCCurr_Cnt_u16_m	664
CDD_ADC2OffsetComp_Cnt_G_u8p8	65280
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrPosElec_Rev_G_f32[0]	0.043999998
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0112111997
CDD_DCPhsBComp_Cnt_G_u16p0	2674
CDD_DCPhsCComp_Cnt_G_u16p0	3004
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-44.0999985
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	85.0999985
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0160000008
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0170000009
CDD_MtrCurr1_Volts_G_f32[0]	1.01070166
CDD_MtrCurr1_Volts_G_f32[1]	4.01070166
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_MtrCurrQax_Amp_G_f32[0]

CDD_MtrCurrQax_Amp_G_f32[1]

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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

CDD_MtrCurrK2_Amps_G_f32[0]

CDD_MtrCurrK2_Amps_G_f32[1]

CDD_MtrCurrQax_Amp_G_f32[0]

CDD_MtrCurrQax_Amp_G_f32[1]

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-53.3694801 ± 0.0000152587890625

63.0109558 ± 0.0000152587890625

220 ± 0.03

125.010956 ± 0.03

CurrDQPer1		MACI	Cali
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	3.4000006e-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]	1.5555558	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	~

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

-53.3694801

63.0109558

125.010956

220

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]	0.0099999978		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0109999999		
CDD_MtrCurr2_Volts_G_f32[0]	0.0104467999		
CDD_MtrCurr2_Volts_G_f32[1]	1.01044679		
CDD_MtrCurrDax_Amp_G_f32[0]	-180.010452		
CDD_MtrCurrDax_Amp_G_f32[1]	125.010445		
CDD_MtrCurrK1_Amps_G_f32[0]	4.01044703		
CDD_MtrCurrK1_Amps_G_f32[1]	6.01044703		
CDD_MtrCurrK2_Amps_G_f32[0]	-180.010452		
CDD_MtrCurrK2_Amps_G_f32[1]	125.010445		
CDD_MtrCurrQax_Amp_G_f32[0]	-120.010445		
CDD_MtrCurrQax_Amp_G_f32[1]	25.0104465		
CDD_MtrElecPol_Cnt_G_s8	1		
CDD_Vecu_Volt_G_f32[0]	20.6299992		
CDD_Vecu_Volt_G_f32[1]	19.3500004		
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	4.40000003e-005		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	2.40000008e-005		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	11076		

CurrDQPer1

CDD_MtrCurrQax_Amp_G_f32[1]

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Name Input Value tgt_Rte_Inst_Sa_CmMtrCurr Rte_Inst_Sa_CmMtrCurr k_MtrCurrOffLoComOff_Cnt_u16 k_MtrPosComputDelay_Sec_f32 5.60000008e-005 k_NoofPoles_Uls_f32 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 $35.4740334 \pm 0.0000152587890625$ CDD_MtrCurrK2_Amps_G_f32[0] 35.4740334 CDD_MtrCurrK2_Amps_G_f32[1] 125.010445 125.010445 ± 0.0000152587890625 CDD_MtrCurrQax_Amp_G_f32[0]

Т						
Actual Function	Count	Expected Function	Count	Result		
none	0	*** No Call Expected ***	0	~		

25.0104465

 220 ± 0.03

25.0104465 ± 0.03

220

Name	Input Value	
Adc2_GetPhsBCurr_Cnt_u16_m	1298	
Adc2_GetPhsCCurr_Cnt_u16_m	664	
CDD ADC2OffsetComp Cnt G u8p8	65280	
CDD_ADC2Onsercomp_cnt_G_uopo CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1	
	1	
CDD_CDDDataAccessBfr_Cnt_G_u16 CDD_CorrMtrPosElec_Rev_G_f32[0]	0.043999998	
	0.0112111997	
CDD_CorrMtrPosElec_Rev_G_f32[1]	2674	
CDD_DCPhsBComp_Cnt_G_u16p0	3004	
CDD_DCPhsCComp_Cnt_G_u16p0		
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-44.099985	
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	85.099985	
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.016000008	
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]	-0.0049999989	
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	
/trPos_CorrectedMtrPos_Rev_G_u0p16	11207	
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	
C_MtrCurrOffLoComOff_Cnt_u16	720	
_MtrPosComputDelay_Sec_f32	5.70000011e-005	
<_NoofPoles_Uls_f32	6	
gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.79999995	

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CurrDQPer1

 $CDD_MtrCurrQax_Amp_G_f32[1]$

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Input Value 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 **Actual Value Expected Value** Result Name CDD_CorrMtrPosElec_Rev_G_f32[0] 0.0439999998 0.0439999998 ± 0.0000152587890625 CDD_CorrMtrPosElec_Rev_G_f32[1] 0.0899963379 $0.0899963379 \pm 0.0000152587890625$ 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

Т						
Actual Function	Count	Expected Function	Count	Result		
none	0	*** No Call Expected ***	0	~		

220 ± 0.03

220





Test Step 2.76 (Repeat Count = 1)	Inner Webse		
Name	Input Value		
Adc2_GetPhsBCurr_Cnt_u16_m	1309 325		
Adc2_GetPhsCCurr_Cnt_u16_m 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 k MtrCurrOffLoComOff Cnt u16	tgt_Rte_Inst_Sa_CmMtrCurr 730		
k_MtrPosComputDelay_Sec_f32	5.80000014e-005		
k_NoofPoles_Uls_f32	3.5999999		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.900001		
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	Result
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.0114660002	0.0114660002 ± 0.0000152587890625	
CDD_ElecPosDelayComp_Rad_G_f32	-0.00544185005	-0.00544185005 ± 0.0000152587890625	j
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 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 Limit_m(MtrCurrQax_Amps_T_f32, -D_CURRDQMAX_AMP_F32) ==>False Limit_m(DelayComp_Rad_T_f32 < 0.0f) ==>False && (Phs1Curr_Cnt_T_u16 > D_ZERO_CNT_U16) ==>True && (Phs2Curr_Cnt_T_u16 > D_ZERO_CNT_U16) ==>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 TC3.3 MtrCurrFinalDax_Amps_T_f32 = Limit_MtrCurrDax_Amps_T_f32, -D_CURRDQMAX_AMP_F32, D_CURRDQMAX_AMP_F32, D_CURRDQMAX_

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	

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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)	Input Value		
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		
	31		
CDD_Vecu_Volt_G_f32[0]	31		
CDD_Vecu_Volt_G_f32[1]			
CmMtrCurr_MtrCurr1OffDelta_VoltpVoltCnt_M_f32	0.000171428997		
CmMtrCurr_MtrCurr2OffDelta_VoltpVoltCnt_M_f32	0.000171428997		
MtrPos_CorrectedMtrPos_Rev_G_u0p16	65535		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_MtrCurrOffLoComOff_Cnt_u16	1500		
k_MtrPosComputDelay_Sec_f32	0.00019999995		
k_NoofPoles_Uls_f32	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	Resu
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	



Т					
Actual Function	Count	Expected Function	Count	Result	
none	0	*** No Call Expected ***	0	~	

Test Step 3.3 (Repeat Count = 1)	Innut Value		
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_VoltpVoltCnt_M_f32	2.0999998e-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	0.00019999995		
k_NoofPoles_Uls_f32	4.125		
tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32	2.7999995		
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	Kesuit
CDD_CorrMtrPosElec_Rev_G_f32[1]	0.171585083	0.171585083 ± 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_voits_G_f32[0] CDD MtrCurr1 Voits G f32[1]	0.743589759	2.0005095 ± 32 0.743589759 ± 32	J
		0.743589759 ± 32 2.0005095 ± 32	•
CDD_MtrCurr2_Volts_G_f32[0]	2.0005095		
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	· ·

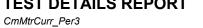
T ·						
Actual Function	Count	Expected Function	Count	Result		
none	0	*** No Call Expected ***	0	~		

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CurrDQPer1



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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)\NxtrLib\include -I\$(PROJECTROOT) \StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtrLib\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)\NxtrLib\include -I\$(PROJECTROOT) \StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Spe	ecification
Name	Text



Module 'CmMtrCurr MTRCURRPHASEAB ON

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

Code File(s) Version:2
Module Design Document: CmMtrCurr_MDD.docx
Module Design Document Version:2
Data Dictionary Version:2
Unit Test Plan Version:2
Optimization Level: Level 2
Compiler (CodeGen) Version: TMS470_4.9.5
Model Type: Excel Macro
Model Version: Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.32
Total FLASH Used (Bytes): 3176
Total RAM Used (Bytes): 130
Total CALS Used (Bytes): 46
Special Test Requirements: NA
Test Date: 7/23/2016

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

Note2:- ""CBD_Sandbox_dbg.map"" map file is embedded for reference.

Note3:-In function ""CmMtrCurr_Per3"" some variables are going out of range for some vectors,accepted by devloper variables are :-MtrCurr2SumHi_Volt_M_f32 , VecuSum_Volt_M_f32 , MtrCurr1SumLo_Volt_M_f32, MtrCurr2SumLo_Volt_M_f32, MtrCurr1SumZero_Volt_M_f32,MtrCurr2SumZero_Volt_M_f32, CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 .

Note4:-In function CurrDQPer1(), variables 'MtrCurrK1_Amps_f32' and 'MtrCurrK2_Amps_f32' are going to very large values."

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Time Unit	cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



Test Case 1: Metrics Test

Specification

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

TC1.1 1141.00 Cycles TC1.2 1406.00 Cycles

Description

VECTOR DESCRIPTION:

TS1.1 Shortest Execution Path==> (CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc == TRUE) = False
TS1.2 "Longest Execution Path==> (CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc == TRUE) = True;
(Abs_f32_m(MtrVel_MtrRadpS_T_f32) < k_MaxCurrOffMtrVel_RadpS_f32) = True && (VehSpd_Kph_T_f32 < FLT_EPSILON) = True &&
(VhSpdValid_Cnt_T_lgc == TRUE) = True;
switch(CmMtrCurr_CurrOffState_Uls_M_enum) = CURROFF_CALC;
(CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 >= k_MtrCurrEOLMinOffset_Volts_f32) = True &&
(CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32) = True &&
(CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 >= k_MtrCurrEOLMaxOffset_Volts_f32) = True &&
(CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32) = True &&
(CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 >= k_MtrCurrEOLMaxOffset_Volts_f32) = True &&
(CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32) = True &&
(CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32) = True &&
(CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMinOffset_Volts_f32) = True &&
(CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 <= k_MtrCurrEOLMaxOffset_Volts_f32) = True &&
(CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f3

Name	Input Value		
	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 Igc.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 f	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16	tgt CmMtrCurr Per3 ComOffset Cnt u16		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32	tgt CmMtrCurr Per3 VehSpd Kph f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_Igc		
tgt Rte Inst Sa CmMtrCurr.Pim ShCurrCal	tgt_Pim_ShCurrCal		
.groor_on_onneroun.r ini_onounou	Actual Value Expected Value Re		

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	1.03384912	1.03384912 ± 0.0003	~
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	3	3 ± 0.0003	~

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CmMtrCurr_Per3

Name	Actual Value	Expected Value	Result
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	3	3 ± 0.0003	~
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	2.09357047	2.09357047 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	1.0530895	1.0530895 ± 0.0003	~
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	2.72687054	2.72687054 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	1.30570102	1.30570102 ± 0.0003	~
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3	3 ± 0.0003	~
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	1.1556983	1.1556983 ± 0.0003	✓
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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	~



Test Step 1.2 (Repeat Count = 1)			~
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	1.25479567		
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 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_ADCMtrCurr		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_0	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrR	· -	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Veb_nd_Knl		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kpl		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_CmMtrCurr_Per3_VhSpdValid_	_Cnt_igc	
	tgt_Pim_ShCurrCal	Fyrna eta d Value	Daguile
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr CurrOffState Uls M enum	6 CURROFF INTIALISE	6 ± 1 CURROFF INTIALISE	
CmMtrCurr CurrOffTrimFlag Cnt M lgc	0	0	
CmMtrCurr CurroffProcessFlag M enum	3	3	
CmMtrCurr MtrCurr1OffsetHi Volt M f32	2.06366134	2.06366134 ± 0.0003	
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	•
		23218.2402 ± 0.001	•
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	23218.2402		
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32	23218.2402 18.0116081	18.0116081 ± 0.0009765625	•
		18.0116081 ± 0.0009765625 0 ± 1	
CmMtrCurr_VecuSum_Volt_M_f32	18.0116081		•
CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	18.0116081 0	0 ± 1	•
CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	18.0116081 0 56567.5313	0 ± 1 56567.5313 ± 0.004	•
CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	18.0116081 0 56567.5313 1.91152203	0 ± 1 56567.5313 ± 0.004 1.91152203 ± 0.0003	

CmMtrCurr_Per3

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Test Case 2: Range Test

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Specification

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

CPU Cycles:

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





Description VECTOR DESCRIPTION:

TS2.1All Min TS2.2All Max TS2.3ADCMtrCurr1_Volts_f32==>Min TS2.4ADCMtrCurr1_Volts_f32==>Max TS2.5ADCMtrCurr1_Volts_f32==>Pos TS2.6ADCMtrCurr2_Volts_f32==>Min TS2.7ADCMtrCurr2_Volts_f32==>Max TS2.8ADCMtrCurr2_Volts_f32==>Pos TS2.9Vecu_Volt_f32==>Min TS2.10Vecu_Volt_f32==>Max TS2.11Vecu_Volt_f32==>Pos TS2.12MtrVel_MtrRadpS_f32==>Min TS2.13MtrVel_MtrRadpS_f32==>Max TS2.14MtrVel_MtrRadpS_f32==>Pos TS2.14Mit/vel_MtrRadpS_f32==>Zero TS2.15Mtr/vel_MtrRadpS_f32==>Neg TS2.17VehSpd_Kph_f32==>Min TS2.18VehSpd_Kph_f32==>Max TS2.19VehSpd_Kph_f32==>Pos TS2.20VhSpdValid_Cnt_lgc==>Min TS2.21VhSpdValid_Cnt_lgc==>Max TS2.22CurroffProcessFlag_M_enum==>CURROFF_INIT
TS2.23CurroffProcessFlag_M_enum==>CURROFF_FAIL
TS2.24CurroffProcessFlag_M_enum==>CURROFF_PROCESSING IS2.24CurroffProcessFlag_M_enum==>CURROFF_PROC TS2.25CurroffProcessFlag_M_enum==>CURROFF_PASS TS2.26CurrOffTrimFlag_M_lgc==>Min TS2.27CurrOffTrimFlag_M_lgc==>Max TS2.28k_MaxCurrOffMtrVel_RadpS_f32==>Min TS2.29k_MaxCurrOffMtrVel_RadpS_f32==>Pos TS2.30k_MaxCurrOffMtrVel_RadpS_f32==>Pos TS2.31k_MaxCurrOffMtrVel_RadpS_f32==>Zero TS2.31k_MaxCurrOffMtrVel_RadpS_f32==>Neg
TS2.32k_MaxCurrOffMtrVel_RadpS_f32==>Default
TS2.34CurrOffState_ULS_M_enum==>CURROFF_INTIALISE
TS2.34CurrOffState_ULS_M_enum==>CURROFF_CALC
TS2.36CurrOffState_ULS_M_enum==>CURROFF_HIAVERAGE
TS2.37CurrOffState_ULS_M_enum==>CURROFF_LOAVERAGE TS2.38CurrOffState_ULS_M_enum==>CURROFF_ZEROAVERAGE TS2.39MtrCurr1SumHi_Volt_M_f32==>Min TS2.40MtrCurr1SumHi_Volt_M_f32==>Max TS2.41MtrCurr1SumHi_Volt_M_f32==>Pos TS2.42MtrCurr2SumHi_Volt_M_f32==>Min TS2.43MtrCurr2SumHi_Volt_M_f32==>Max TS2.44MtrCurr2SumHi_Volt_M_f32==>Pos TS2.45VecuSum_Volt_M_f32==>Min TS2.46VecuSum_Volt_M_f32==>Max TS2.47VecuSum_Volt_M_f32==>Pos TS2.48CurrOffAvgCounter_Cnt_M_u16==>Min TS2.49CurrOffAvgCounter_Cnt_M_u16==>Max TS2.50CurrOffAvgCounter_Cnt_M_u16==>Max
TS2.50CurrOffAvgCounter_Cnt_M_u16==>Pos
TS2.51MtrCurr1SumLo_Volt_M_f32==>Min
TS2.52MtrCurr1SumLo_Volt_M_f32==>Max
TS2.53MtrCurr1SumLo_Volt_M_f32==>Pos TS2.54MtrCurr2SumLo_Volt_M_f32==>Min TS2.55MtrCurr2SumLo_Volt_M_f32==>Max TS2.56MtrCurr2SumLo_Volt_M_f32==>Pos TS2.57MtrCurr1SumZero_Volt_M_f32==>Min TS2.58MtrCurr1SumZero_Volt_M_f32==>Max TS2.59MtrCurr1SumZero_Volt_M_f32==>Pos TS2.60MtrCurr2SumZero_Volt_M_f32==>Min TS2.61MtrCurr2SumZero_Volt_M_f32==>Max TS2.62MtrCurr2SumZero_Volt_M_f32==>Pos TS2.63k_MtrCurrEOLMinOffset_Volts_f32==>Min TS2.64k_MtrCurrEOLMinOffset_Volts_f32==>Max TS2.65k_MtrCurrEOLMinOffset_Volts_f32==>Pos/Default TS2.66k_MtrCurrEOLMaxOffset_Volts_f32==>Min TS2.67k_MtrCurrEOLMaxOffset_Volts_f32==>Max TS2.68k_MtrCurrEOLMaxOffset_Volts_f32==>Pos/Default TS2.69MtrCurr1OffsetLo_Volts_M_f32==>Min TS2.70MtrCurr1OffsetLo_Volts_M_f32==>Max TS2.71MtrCurr1OffsetLo_Volts_M_f32==>Pos TS2.72MtrCurr2OffsetLo_Volts_M_f32==>Min TS2.73MtrCurr2OffsetLo_Volts_M_f32==>Max TS2.74MtrCurr2OffsetLo_Volts_M_f32==>Pos TS2.75MtrCurr1OffsetHi_Volts_M_f32==>Min TS2.76MtrCurr1OffsetHi_Volts_M_f32==>Max
TS2.77MtrCurr1OffsetHi_Volts_M_f32==>Pos
TS2.78MtrCurr2OffsetHi_Volts_M_f32==>Min TS2.78MtrCurr2OffsetHi_Volts_M_f32==>Min
TS2.79MtrCurr2OffsetHi_Volts_M_f32==>Max
TS2.80MtrCurr2OffsetHi_Volts_M_f32==>Pos
TS2.81MtrCurrValCmd_VoltCnts_M_f32==>Min
TS2.82MtrCurrValCmd_VoltCnts_M_f32==>Max
TS2.83MtrCurrValCmd_VoltCnts_M_f32==>Pos
TS2.84Rte_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32==>Min
TS2.85Rte_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32==>Max
TS2.86Rte_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32==>Max
TS2.86Rte_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32==>Pos
TS2.87Rte_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32==>Min
TS2.88Rte_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32==>Max
TS2.89Rte_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32==>Pos TS2.89Rte_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32==>Pos TS2.90Rte_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32==>Min TS2.91Rte_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32==>Max TS2.92Rte Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32==>Pos TS2.93Rte Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32==>Min TS2.94Rte_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32==>Max





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_INTIALISE		
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0		
CmMtrCurr_CurroffProcessFlag_M_enum	0		
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	0		
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	0		
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	0		
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	0		
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	0		
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	0		
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	0		
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	0		
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	0		
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	0		
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	0		
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	0		
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	0		
CmMtrCurr_VecuSum_Volt_M_f32	0		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrOffNoofAvg_Cnt_u16	1		
k_MaxCurrOffMtrVel_RadpS_f32	-20		
k_MtrCurrEOLMaxOffset_Volts_f32	1		
k_MtrCurrEOLMinOffset_Volts_f32	1		
k_MtrCurrOffLoComOff_Cnt_u16	500		
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	0		
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	0		
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	-1118		
tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	5		
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	0		
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	0		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	0		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr1_Vo	lts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2_Vo	lts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_Cnt_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	Resul

ig_nic_mo_ca_cimina can: im_cincancai	ig. in_onounou			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	0	0 ± 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	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	✓	



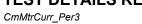


Name	Actual Value	Expected Value	Result
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	0	0 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1	1 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1	1 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1	1 ± 0.0003	✓
tgt Pim 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	Course Valta 522	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMt		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMt		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_ComOf tgt_CmMtrCurr_Per3_MtrVel_		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 Vecu Volt f32	tgt CmMtrCurr Per3_WitrVer_		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32	tgt CmMtrCurr Per3_Vecu_V	_	
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VhSpdValid Cnt Igc	tgt_CrillvitiCurr_Per3_VeriSpd	- · -	
tgt Rte Inst Sa CmMtrCurr.Pim ShCurrCal	tgt_CinivitiCun_Fei3_ViiSpu	valia_Grit_igo	
Name	Actual Value	Expected Value	Result
		· ·	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	10000	10000 ± 1	~

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	~





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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	~

Test Step 2.3 (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_Igc.value	1.92093008e-008		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	79716.3125		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3		
tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo_Volts_132	3		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.33796501		
tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32	2.4327662		
		Volte f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr1_	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2_		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_ComOffset_Cn tgt_CmMtrCurr_Per3_MtrVel_MtrRad	_	
		· -	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_C	nt_igc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal	1=	1.
Name	Actual Value	Expected Value	Resu
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	2	2 ± 1	

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





Name	Actual Value	Expected Value	Result
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	10.2349997	10.2349997 ± 0.0003	~
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	88.1449966	88.1449966 ± 0.0003	~
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	12546.25	12546.25 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1.57947969	1.57947969 ± 0.0003	~
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	4.25460005	4.25460005 ± 0.0003	~
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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	✓

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Test Step 2.4 (Repeat Count = 1)			<u> </u>
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_ADCMtrC	urr1 Volts f32	
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32	tgt CmMtrCurr Per3 ADCMtrC		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16	tgt CmMtrCurr Per3 ComOffse		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32	tgt CmMtrCurr Per3 MtrVel M		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Vol	· -	
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32	tgt CmMtrCurr Per3 VehSpd	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdVa	· -	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal	iid_Oni_igo	
		Francisco d Malian	B. "
Name CmMtrCurr CurrOffAvaCounter Cet M v16	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	3	3 ± 1	· · · · · · · · · · · · · · · · · · ·





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	✓

Τ				✓
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	110.404999
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	23218.2402
CmMtrCurr_VecuSum_Volt_M_f32	266.225006
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
k_CurrOffNoofAvg_Cnt_u16	3
k_MaxCurrOffMtrVel_RadpS_f32	12.5231485
k_MtrCurrEOLMaxOffset_Volts_f32	1.09347951
k_MtrCurrEOLMinOffset_Volts_f32	1.74270165
k_MtrCurrOffLoComOff_Cnt_u16	650
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	2.5
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	3
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	12
tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	18.9864292
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	1.72093007e-008
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	0
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	56567.5313
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.91152203
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.30852175
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32





Name	Input Value		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	3	3 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	2.06366134	2.06366134 ± 0.0003	~
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	V

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	•

Test Step 2.6 (Repeat Count = 1)	Invest Walter
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_ADCMtrCurr	1_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr	2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_0	Cnt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrR	adpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kpr	n_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_	_Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	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			

CmMtrCurr_Per3



Name	Input Value		
tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	26.6180859		
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	1.52093005e-008		
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	1		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	42859.8672		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.67476642		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCI	/trCurr1_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCI	/trCurr2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_Com0	Offset_Cnt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVe	I_MtrRadpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu	_Volt_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehS	pd_Kph_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSp	dValid_Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Nama	Actual Value	Expected Value	Pocult

Result
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Т				
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

CmixitrCurr_Per3			MACILIA
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_C	nt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	dpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph	_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_0	Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	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	· •
	1000	1000 . 1	

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	✓

4000

20585.7949

2.5396297

2.98051882

1.13610566

4000 ± 1

3 ± 0.0003

20585.7949 ± 0.004

2.5396297 ± 0.0003

2.98051882 ± 0.0003

 1.13610566 ± 0.0003

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

tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value

 $tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32$

 $tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32$

tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32

 $tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32$

 $tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32$





Name	Input Value			
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	154.925003			
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	41807.7383			
CmMtrCurr_VecuSum_Volt_M_f32	310.744995	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_C	nt_u16		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	adpS_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3	2		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_	Cnt_lgc		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal			
Name	Actual Value	Expected Value	Resul	
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	8	8 ± 1	•	
CmMtrCurr CurrOffState Ills M enum	CURROFE HIAVERAGE	CURROFE HIAVERAGE		

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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	

CmMtrCurr_Per3

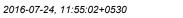


Name	Input Value			
CmMtrCurr MtrCurr1SumZero Volt M f32	33134.0195			
CmMtrCurr MtrCurr2OffsetHi Volt M f32	2.24896121	2.24896121		
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	1.32399046			
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	4.30000019	4.30000019		
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	2.4079411			
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	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_f	32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f	32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc			
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	9	9 ± 1	~	

tgt_Rte_inst_5a_cmivitrcurr.Pim_5ncurrcai	tgt_Pim_Sncurrcai	tgt_Piin_Shoundai		
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	✓	

Τ				
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





CmMtrCurr_Per3	2016-07-24, 11:55:02+0530		Razorcat
Name	Input Value		
CmMtrCurr_CurroffProcessFlag_M_enum	2		
CmMtrCurr MtrCurr1OffsetHi Volt M f32	2.4301908		
CmMtrCurr MtrCurr1OffsetLo Volt M f32	1.7515341		
CmMtrCurr1OffsetZero_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 f3	2 tgt CmMtrCurr Per3 ADCMtrCurr1	Volts f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f3		_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_Cn		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRad	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_t		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_C		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	10	10 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF HIAVERAGE	CURROFF HIAVERAGE	✓
CmMtrCurr CurrOffTrimFlag Cnt M Igc	1	1	~
CmMtrCurr CurroffProcessFlag M enum	1	1	✓

tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_SnCurrCai		
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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	~



Test Step 2.12 (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 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	Valta f22	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr1 tgt_CmMtrCurr_Per3_ADCMtrCurr2		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16	tgt CmMtrCurr Per3 ComOffset C		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3:		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_0		
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	V
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	Y
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	15487.3604	15487.3604 ± 0.0003	· ·
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	12546.25 33128.5508	12546.25 ± 0.0003	
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr VecuSum Volt M f32	33128.5508 344.13501	33128.5508 ± 0.001 344.13501 ± 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	•
tgt_f iii_oilodii.EOEliitiOdii2Oil3CtDiii Voit3 i32			



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		
CurrOffNoofAvg_Cnt_u16	35		
MaxCurrOffMtrVel_RadpS_f32	6.92200041		
_MtrCurrEOLMaxOffset_Volts_f32	3		
_MtrCurrEOLMinOffset_Volts_f32	3 1050		
_MtrCurrOffLoComOff_Cnt_u16			
gt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	0.181411028		
gt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	1118		
gt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value			
gt_CmMtrCurr_Per3_Vecu_Volt_f32.value	28.6460514		
gt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	35.6961212		
gt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	1 71382.9688		
gt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.16483665		
gt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.15002513		
	3		
gt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.73837662		
gt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt CmMtrCurr Per3 ADCMtrCur	r1 Volto f22	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt CmMtrCurr Per3 ADCMtrCur		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_		
gt_Rte_inst_sa_CritivitiCurr.CritivitiCurr_Per3_dtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_Mtrl	_	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_		
gt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32	tgt_CmMtrCurr_Per3_VehSpd_Kp		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid		
gt Rte Inst Sa CmMtrCurr.Pim ShCurrCal	tgt Pim ShCurrCal		
		Expected Value	Desi
Name	Actual Value	Expected Value	Resu
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	11	11 ± 1	
CmMtrCurr_CurrOffState_UIs_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	
mMtrCurr_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_MtrCurr2SumZero_Volt_M_f32	18428.4707	18428.4707 ± 0.0003	

15487.3604

39491.5234

355.265015

 $tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value$

CmMtrCurr_MtrCurr2SumZero_Volt_M_f32

CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32

CmMtrCurr_VecuSum_Volt_M_f32

15487.3604 ± 0.0003

355.265015 ± 0.0009765625

39491.5234 ± 0.001

0 ± 1





Name	Actual Value	Expected Value	Result
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	71382.9688	71382.9688 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.16483665	1.16483665 ± 0.0003	✓
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	✓

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte Call CmMtrCurr Per3 CP1 CheckpointReached	1	Rte Call CmMtrCurr Per3 CP1 CheckpointReached	1	✓

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

Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	12	12 ± 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	3.98539996	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	~





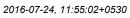
Name	Actual Value	Expected Value	Result
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	21369.5801	21369.5801 ± 0.0003	~
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	18428.4707	18428.4707 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	30300.1953	30300.1953 ± 0.001	~
CmMtrCurr_VecuSum_Volt_M_f32	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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	~

Test Step 2.15 (Repeat Count = 1) Name	Input Value			
	13			
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr CurrOffState Uls M enum	CURROFF INTIALISE			
CmMtrCurr CurrOffTrimFlag Cnt M Igc	_	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_CurrOffMtrVel 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	0.941126909			
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_Firit_SinCurrCar.EOLivitCurr2OrisetDirit_Volts_132 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt CmMtrCurr Per3 ADCMtrCur	r1 Volte f32		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32	tgt_CmMtrCurr_Per3_ADCMtrCur			
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16	tgt_CmMtrCurr_Per3_ADCMtrCur tgt CmMtrCurr Per3 ComOffset			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOriset_Cnt_u10	tgt_CmMtrCurr_Per3_MtrVel_Mtrl	-		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VerSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kp			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid			
tgt_Rte_inst_sa_cminitcun.crininticun_Pers_vnspuvalid_crit_igc tgt_Rte_inst_sa_cmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal	_Ont_igo		
		Francis d Volum		
Name	Actual Value	Expected Value	Resul	
CmMtrCurr CurrOffAvgCounter Cnt M u16	13	13 ± 1		

Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	13	13 ± 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	1.69485998	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	~

CmMtrCurr_Per3





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	~

Τ					
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		
CmMtrCurr1SumZero_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_f3	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	14	14 ± 1	~





Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	~
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	~
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 Igc.value	0
tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32	55094.5625
tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32	1.94090986
tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32	3
tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32	3
tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32	2.16279387
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32	tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16	tgt CmMtrCurr Per3 ComOffset Cnt u16
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32	tgt CmMtrCurr Per3 MtrVel MtrRadpS f32

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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_lg	С	
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_MtrCurr2SumZero_Volt_M_f32

CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32

tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value

 $tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32$

tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32

tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32

 $tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32$

CmMtrCurr_VecuSum_Volt_M_f32





30192.9102 ± 0.0003

32372.3828 ± 0.001 410.915009 ± 0.0009765625

33462.3984 ± 0.004

1.43301225 ± 0.0003

2.2017374 ± 0.0003

1.4267602 ± 0.0003

1.13100731 ± 0.0003

0 ± 1

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_C	nt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	dpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3:	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_	_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_0	Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	16	16 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	•
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓
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	✓

Т					
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	✓	

30192.9102

32372.3828

410.915009

33462.3984

1.43301225

2.2017374

1.4267602

1.13100731

0

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_ADCMtrCurr	1_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr	2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_0	Cnt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrR	adpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph	n_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_	_Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr CurrOffAvaCounter Cnt M u16	17	17 ± 1	

tgt_Rte_inst_sa_cmixtrcutr.Pim_shcutrcal	tgt_Piiii_Silcuircai		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	17	17 ± 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	4.52099991	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	<u> </u>

Τ				
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

		TOILCTUOID
Input Value		
2.7211206		
2.02014756		
1400		
0.224947453		
1.9297123		
396.243774		
5.44003773		
126.843292		
0		
1546.61206		
3		
1.69203067		
3		
1.44071484		
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volt	s_f32	
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volt	s_f32	
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u1	6	
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_	<u>f</u> 32	
tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32		
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lg	gc	
tgt_Pim_ShCurrCal		
Actual Value	Expected Value	Result
18	18 ± 1	~
CURROFF_INTIALISE	CURROFF_INTIALISE	•
0	0	•
3	3	~
4.0999999	4.0999999 ± 0.0003	~
1.93872654	1.93872654 ± 0.0003	~
1.93872654	1.93872654 ± 0.0003	~
18428.4707	18428.4707 ± 0.0003	✓
1.82349932	1.82349932 ± 0.0003	~
199.445007	199.445007 ± 0.0003	~
1.71042848	1.71042848 ± 0.0003	~
2.90609932	2.90609932 ± 0.0003	~
3	3 ± 0.0003	~
3	3 ± 0.0003	~
39016.2383	39016.2383 ± 0.0003	~
36075.1289	36075.1289 ± 0.0003	~
31522.125	31522.125 ± 0.001	~
433.174988	433.174988 ± 0.0009765625	
0	0 ± 1	~
1546.61206	1546.61206 ± 0.004	✓
3	3 ± 0.0003	~
1.69203067	1.69203067 ± 0.0003	✓
3	3 ± 0.0003	Y
1.44071484	1.44071484 ± 0.0003	✓
	2.7211206 2.02014756 1400 0.224947453 1.9297123 396.243774 5.44003773 126.843292 0 1546.61206 3 1.69203067 3 1.44071484 tgt_CmMtrCurr_Per3_ADCMtrCurr1_Voltt tgt_CmMtrCurr_Per3_ADCMtrCurr2_Voltt tgt_CmMtrCurr_Per3_ADCMtrCurr2_Voltt tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_VenSpd_Kph_f32 tgt_CmMtrCurr_Per3_VenSpd_Kph_f32 tgt_CmMtrCurr_Per3_VenSpd_Kph_f32 tgt_Pim_ShCurrCal Actual Value 18 CURROFF_INTIALISE 0 3 4.0999999 1.93872654 1.93872655 1.8428.4707 1.82349932 1.99.445007 1.71042848 2.90609932 3 3 39016.2383 36075.1289 31522.125 433.174988 0 1546.61206 3 1.69203067	2.7211206 2.02014756 1400 0.224947453 1.9297123 396.243774 5.44003773 126.843292 0 1546.61206 3 1.69203067 3 1.44071484 tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_CmMtrCurr_Per3_VenSpd_Kph_f32 tgt

Τ				✓
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





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_Cr	nt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRad	dpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_	<u>f</u> 32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_C	cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	19	19 ± 1	•
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	•
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	•
CmMtrCurr CurroffProcessFlag M enum	3	3	•

90	190		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	19	19 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	~
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	~
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)		<u>✓</u>
Name	Input Value	
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	20	
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1	
CmMtrCurr_CurroffProcessFlag_M_enum	0	
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	4.30000019	
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	2.3003974	
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.3003974	
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	24310.6895	
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	1.34184277	

CmMtrCurr_Per3

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Input Value $CmMtrCurr_MtrCurr1SumZero_Volt_M_f32$ 221.705002 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 3 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 23.8775063 $CmMtrCurr_MtrCurr2SumLo_Volt_M_f32$ 44898.4609 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 41957.3516 $CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32$ 46984.3398 CmMtrCurr_VecuSum_Volt_M_f32 455.434998 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr k_CurrOffNoofAvg_Cnt_u16 k_MaxCurrOffMtrVel_RadpS_f32 -18 0829964 k_MtrCurrEOLMaxOffset_Volts_f32 1.20897365 k MtrCurrEOLMinOffset_Volts_f32 3 k_MtrCurrOffLoComOff_Cnt_u16 1500 2.09947371 tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value $tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value$ 2.35451436 tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value 265.244537 $tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value$ 18.7624416 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value 97.4316254 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value 0 tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 12611.4561 $tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32$ 1.57766676 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 2.70045638 $tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32$ $tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32$ 1.75820065 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 $tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32$ tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt CmMtrCurr Per3 VhSpdValid Cnt Igc tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VhSpdValid Cnt Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal tgt_Pim_ShCurrCal

Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	20	20 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	✓
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	~
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	41957.3516	41957.3516 ± 0.0003	~
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	46984.3398	46984.3398 ± 0.001	~
CmMtrCurr_VecuSum_Volt_M_f32	455.434998	455.434998 ± 0.0009765625	~
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	12611.4561	12611.4561 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.57766676	1.57766676 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.70045638	2.70045638 ± 0.0003	~
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3	3 ± 0.0003	~
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.75820065	1.75820065 ± 0.0003	✓

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	~

Test Step 2.23 (Repeat Count = 1)	→
Name	Input Value
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	21
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_HIAVERAGE
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0

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CmMtrCurr_Per3

CmixitrCurr_Per3			MACIMU
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_ADCMtrCurr	1 Volts f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr	2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_0		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrR	adpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph	ı_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 CmMtrCurr MtrCurr2OffsetHi Volt M f32	232.835007	232.835007 ± 0.0003 2.72687054 ± 0.0003	
	2.72687054		
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	79506 2422	0 ± 1	

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	✓

78596.2422

1.66544139

1.41828871

2.1423645

1.47283912

78596.2422 ± 0.004

1.66544139 ± 0.0003

1.41828871 ± 0.0003

2.1423645 ± 0.0003

1.47283912 ± 0.0003

tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32

tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32

tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32

tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32

 $tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32$





Test Step 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 35.2140007		
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 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	Valta f22	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr1 tgt_CmMtrCurr_Per3_ADCMtrCurr2		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_C		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3:		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_0		
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	V
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	110.404999	110.404999 ± 0.0003	
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	47839.5703	47839.5703 ± 0.0003	V
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	56885.8242	56885.8242 ± 0.001	· ·
CmMtrCurr_VecuSum_Volt_M_f32	477.695007 0	477.695007 ± 0.0009765625	.,
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32	35326.4414	0 ± 1 35326.4414 ± 0.004	-
tgt_Pim_SnCurrCal.EOLMtrCurrVcalCmd_voitCnts_t32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.19832134	1.19832134 ± 0.0003	
tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32	2.70113182	2.70113182 ± 0.0003	_
19onounoucocmirounzonatico_voita_laz			
tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32			-
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.12521768 1.1041311	2.12521768 ± 0.0003 1.1041311 ± 0.0003	· ·



T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	✓

Test Step 2.25 (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			
C_MtrCurrEOLMinOffset_Volts_f32	1.15867352			
c_MtrCurrOffLoComOff_Cnt_u16	635			
gt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	3			
gt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	0.123802423			
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	-282.08429			
gt_CmMtrCurr_Per3_Vecu_Volt_f32.value	15			
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	148.213425			
gt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	1			
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	10727.9072			
gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.96896577			
gt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.0980438			
gt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.91172564			
gt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3			
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr			
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr			
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_	_		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrF			
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_t			
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kp	_		
gt_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	Resu	
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	23	23 ± 1		
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE		
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0		
CmMtrCurr_CurroffProcessFlag_M_enum	2	2		
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	4.5999999	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		
	255.095001	255.095001 ± 0.0003		
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32				
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3	3 ± 0.0003		
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	3 2.22926593	2.22926593 ± 0.0003	•	
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3 2.22926593 1.07224905	2.22926593 ± 0.0003 1.07224905 ± 0.0003		
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	3 2.22926593	2.22926593 ± 0.0003		

121.535004

50238.3359

488.825012

36.25

0

 $CmMtrCurr_MtrCurr2SumLo_Volt_M_f32$

CmMtrCurr_VecuSum_Volt_M_f32

CmMtrCurr_MtrCurr2SumZero_Volt_M_f32

CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32

121.535004 ± 0.0003 36.25 ± 0.0003

50238.3359 ± 0.001

0 ± 1

488.825012 ± 0.0009765625

CmMtrCurr_Per3



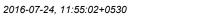
Name	Actual Value	Expected Value	Result
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	10727.9072	10727.9072 ± 0.004	~
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.96896577	2.96896577 ± 0.0003	~
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.0980438	1.0980438 ± 0.0003	~
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.91172564	1.91172564 ± 0.0003	~
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	3 ± 0.0003	•

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte Call CmMtrCurr Per3 CP1 CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	✓

Test Step 2.26 (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	16086.1211			
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32				
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.52357078			
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 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 ADCM	trCurr1 Volts f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCM			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComO			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel			
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 Vecu Volt f32	tgt CmMtrCurr Per3 Vecu			
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32	tgt CmMtrCurr Per3 VehSp	-		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VhSpdValid Cnt Igc	tgt CmMtrCurr Per3 VhSpc	- · -		
tgt Rte Inst Sa CmMtrCurr.Pim ShCurrCal	tgt Pim ShCurrCal			
Name	Actual Value	Expected Value	Result	
CmMtrCurr CurrOffAvgCounter Cnt M u16	24	24 ± 1	→	

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	✓

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	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.91988373	2.91988373 ± 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 INTIALISE		
	1		
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr CurroffProcessFlag M enum	1 2		
	4.80000019		
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	3.98539996		
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32			
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_Ve	olts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2_Vo	olts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_Cnt_	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRadps		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f32	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt		
tgt Rte Inst Sa CmMtrCurr.Pim ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Resul
Humo	Actual Value	Expedieu value	Resu

Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	25	25 ± 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	4.80000019	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	•





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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	✓

Test Step 2.28 (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		
Language Page 1	-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_f3	32	
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f3		
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	Resi

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CmMtrCurr_Per3

Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	~
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	~
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	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	~

	1	
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Count





Name	Input Value		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f	732	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kp	h_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_	_Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	27	27 ± 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	1.38621521	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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	✓

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

tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32

 $tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32$





Name	Input Value			
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.16706681			
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr	1_Volts_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2	tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_C	Cnt_u16		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	adpS_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3	32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph	_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_	Cnt_lgc		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	28	28 ± 1	•	
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	~	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~	
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	~	
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	•	

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	✓

2.16706681

3

2.16706681 ± 0.0003

3 ± 0.0003

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

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_V	olts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2_V	olts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRadp	S_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f3	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt	t_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Resul
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	29	29 ± 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	1.1426152	1.1426152 ± 0.0003	
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Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	29	29 ± 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	1.1426152	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	✓

Τ				
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	

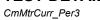




Name	Input Value		
k_MtrCurrEOLMaxOffset_Volts_f32	3		
k_MtrCurrEOLMinOffset_Volts_f32	2.7864852		
k_MtrCurrOffLoComOff_Cnt_u16	852		
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	3		
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	3		
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	976.553101		
tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	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_C	nt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	dpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3:	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_	_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_0	Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	30	30 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	✓
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	~
	1.64925992 3	1.64925992 ± 0.0003 3 ± 0.0003	
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32			

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	





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	2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_C	Cnt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	adpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph	_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_	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	•
Continue Composition III- Management	OUDDOEF HIM /FDAOF	CURROLE HIAVERAGE	

tg_rtte_mot_od_omma ourr.r im_onourrour	igc_i iii_ciiodiiodi			
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)		<u> </u>
Name	Input Value	
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	31	
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1	
CmMtrCurr_CurroffProcessFlag_M_enum	3	
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	3	
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	4.0999999	
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	4.0999999	
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	1.48992085	
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	1.68548179	

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CmMtrCurr_Per3

- Chimina can_i cic			1 1 2 1 6 1 5
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_ADCMtrCurr	1_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2	2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_0	Cnt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrR:	adpS f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	0	0 ± 1	✓
CmMtrCurr CurrOffState UIs M enum	CURROFF HIAVERAGE	CURROFF HIAVERAGE	✓

tgt_Rte_inst_Sa_cmixtrcurr.Pim_Sncurrcai	tgt_Pim_Sncurrcai		
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	✓

Τ					
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

CmMtrCurr_Per3			MACILAG
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_ADCMtrCurr	1_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr	2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_0	Cnt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrR	adpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph	n_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_	_Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr CurrOffAvgCounter Cnt M u16	32	32 ± 1	
CmMtrCurr CurrOffState Uls M enum	CURROFF INTIALISE	CURROFF INTIALISE	~
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	
CmMtrCurr CurroffProcessFlag M enum	3	3	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	3	3 ± 0.0003	~
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	4.19999981	4.19999981 ± 0.0003	~
CmMtrCurr MtrCurr1OffsetZero Volt M f32	4.19999981	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	~

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	~

1.87105429

54641.4297

588.994995

5549.88623

2.08785343

2.94626999

2.92457032

0

 1.87105429 ± 0.0003

 $588.994995 \pm 0.0009765625$

54641.4297 ± 0.001

5549.88623 ± 0.004

2.08785343 ± 0.0003

2.94626999 ± 0.0003

2.92457032 ± 0.0003

0 ± 1

3 ± 0.0003

CmMtrCurr_MtrCurr2SumZero_Volt_M_f32

CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32

tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value

 $tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32$

tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32

tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32

 $tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32$

tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32

CmMtrCurr_VecuSum_Volt_M_f32



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 1.76121855		
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr MtrCurr2SumLo Volt M f32	54.7550011		
CmMtrCurr MtrCurr2SumZero Volt M f32	3		
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	35505.4063		
CmMtrCurr VecuSum Volt M f32	600.125		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrOffNoofAvg_Cnt_u16	145		
k_MaxCurrOffMtrVel_RadpS_f32	15.0080853		
k_MtrCurrEOLMaxOffset_Volts_f32	3		
k_MtrCurrEOLMinOffset_Volts_f32	2.46811771		
k_MtrCurrOffLoComOff_Cnt_u16	654		
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	3		
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	0.596982956		
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	15		
tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	17.0688171		
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	1.32093003e-008		
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	1		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	77261.1328		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.34409523		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.70458388		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.86090136		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3	Volta f22	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr1_ tgt_CmMtrCurr_Per3_ADCMtrCurr2_	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt CmMtrCurr Per3 ComOffset Cr		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32	tgt CmMtrCurr Per3 MtrVel MtrRad	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32	· -	
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_C		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr CurrOffAvgCounter Cnt M u16	34	34 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_HIAVERAGE	CURROFF_HIAVERAGE	•
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1	1	•
CmMtrCurr_CurroffProcessFlag_M_enum	1	1	~
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	2.44151449	2.44151449 ± 0.0003	~
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	4.30000019	4.30000019 ± 0.0003	•
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	4.30000019	4.30000019 ± 0.0003	~
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	4.63504791	4.63504791 ± 0.0003	~
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	2.00935435	2.00935435 ± 0.0003	~
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	36075.1289	36075.1289 ± 0.0003	~
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	2.91423535	2.91423535 ± 0.0003	
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	4.0999999	4.0999999 ± 0.0003	*
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 3	54.7550011 ± 0.0003	- 4
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr MtrCurrValCmd VoltCnt M f32	35505.4063	3 ± 0.0003 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	~
tgC_1 III_GITGUITGUITGUITGUITGUITGUITGUITGUITGUITG			



Τ				✓
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_C	nt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	dpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph	_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_0	Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Resu
CmMtrCurr CurrOffAvgCounter Cnt M u16	35	35 ± 1	
CmMtrCurr CurrOffState UIs 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	
	4.4000001	4.400001 ± 0.0003	
CmMtrCurr MtrCurr1OffsetLo Volt M f32		4.4000001 ± 0.0003	
	4.4000001		
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	4.4000001 1.16198051		
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	1.16198051	1.16198051 ± 0.0003	
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	1.16198051 2.70886779	1.16198051 ± 0.0003 2.70886779 ± 0.0003	
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr MtrCurr2OffsetHi Volt M f32	1.16198051	1.16198051 ± 0.0003	•

4.19999981

2.08536386

29.4384918

12549.25

2.1677835

56885.8242

611.255005

 $CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32$

CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32

 $CmMtrCurr_MtrCurr2SumZero_Volt_M_f32$

 $CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32$

CmMtrCurr_VecuSum_Volt_M_f32

CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32

4.19999981 ± 0.0003

2.08536386 ± 0.0003

29.4384918 ± 0.0003

12549.25 ± 0.0003 2.1677835 ± 0.0003

56885.8242 ± 0.001

617 ± 1

611.255005 ± 0.0009765625





Name	Actual Value	Expected Value	Result
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	35326.4414	35326.4414 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.19832134	1.19832134 ± 0.0003	~
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	✓

Τ					
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	22	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_t tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_t		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr Per3_ADCMtrCurr2_voils_i32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr Per3_ComOffset Cnt_u16	tgt CmMtrCurr Per3 ComOffset Cnt u16	102	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32	<u>-</u>	
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32	tgt CmMtrCurr Per3 VehSpd Kph f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VerlSpd_Rtpl_132	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt Pim ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	35	35 ± 1	Nesult

Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	35	35 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	•
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	•
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	~





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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	~

Test Step 2.39 (Repeat Count = 1) Name	Input Value		
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	63		
CmMtrCurr CurrOffState Uls M enum	CURROFF HIAVERAGE		
CmMtrCurr CurrOffTrimFlag Cnt M Igc	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			
k MtrCurrEOLMaxOffset Volts f32	9.50732899 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		
·	9		
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	11.3727503		
·			
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	1.32093003e-008		
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_Igc.value	6889.93945		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	1.373541		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.74678731		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.2081331		
tgt_Pim_sncurrCal.EOLMtrCurrToffsetDiff_volts_f32 tgt_Pim_shCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.52772772		
		f22	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f3		
) <u>C</u>	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_VebSpd_Kpb_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal	I=	-
Name	Actual Value	Expected Value	Resu
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	64	64 ± 1	

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





Name	Actual Value	Expected Value	Result
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	3	3 ± 0.0003	~
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	2.98567462	2.98567462 ± 0.0003	•
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	44898.4609	44898.4609 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1.57437587	1.57437587 ± 0.0003	~
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	4.4000001	4.4000001 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.31556726	1.31556726 ± 0.0003	~
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	~
	1.52772772	1.52772772 ± 0.0003	~





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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	-

Test Step 2.41 (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_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	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	✓





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_V	olts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2_V	olts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_Cnt_	_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRadp	S_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f3	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	61	61 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_HIAVERAGE	CURROFF_HIAVERAGE	~
CmMtrCurr CurrOffTrimElog Cnt M Igo	4	1	

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	~
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	2.72327757	2.72327757 ± 0.0003	~
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	27251.8008	27251.8008 ± 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	982.851868	982.851868 ± 0.0009765625	~
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	4000	4000 ± 1	~
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	36573.0195	36573.0195 ± 0.004	~
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.17193532	1.17193532 ± 0.0003	~
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 2.43 (Repeat Count = 1)	<u> </u>
Name	Input Value
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	61
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_HIAVERAGE
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1
CmMtrCurr_CurroffProcessFlag_M_enum	0
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	3
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	4.5999999
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	4.80000019
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	3
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	110.404999
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	1.78895056
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	3
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.66018128
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	50000
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	30192.9102
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	3
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	33953.457
CmMtrCurr_VecuSum_Volt_M_f32	967.414978
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
k_CurrOffNoofAvg_Cnt_u16	2350
k_MaxCurrOffMtrVel_RadpS_f32	3.40498996
k_MtrCurrEOLMaxOffset_Volts_f32	3
k_MtrCurrEOLMinOffset_Volts_f32	1.20024276
k_MtrCurrOffLoComOff_Cnt_u16	1258
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	2.53271556
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	3
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	3

CmMtrCurr_Per3



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

igi_Rie_insi_sa_chimircum.pim_shcurcai	tgt_Pim_Shcurrear		
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	✓

Τ				✓
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	

CmMtrCurr_Per3





Name	Input Value			
k_MtrCurrEOLMaxOffset_Volts_f32	2			
k_MtrCurrEOLMinOffset_Volts_f32	2.17881703			
k_MtrCurrOffLoComOff_Cnt_u16	550	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_C	nt_u16		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	dpS_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc			
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal			
Name	Actual Value	Expected Value	Resul	
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	4.6999981	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		

Τ				✓
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)		V
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		
	62192.375		
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	0		
CmMtrCurr_VecuSum_Volt_M_f32 m	*		
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_		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_	_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f3	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	43	43 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_HIAVERAGE	CURROFF_HIAVERAGE	~
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1	1	



CmMtrCurr_Per3			MADUITAL
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_ADCMtrCurr	1_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr	2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_0	Cnt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrR	adpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kpl	n_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_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	•

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	

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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	Volte f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_C		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3.		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_0		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal	Sit_igo	
		Exposted Value	Beauti
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	45	45 ± 1	<u> </u>
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	·

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	✓

2.13700366

34.6479836

41957.3516

221.705002

7388.61279

741.519165

12022.6406

1.768152

2.91952419

4000

2.13700366 ± 0.0003

 34.6479836 ± 0.0003

41957.3516 ± 0.0003

 221.705002 ± 0.0003

 $741.519165 \pm 0.0009765625$

7388.61279 ± 0.001

12022.6406 ± 0.004

2.91952419 ± 0.0003

1.768152 ± 0.0003

4000 ± 1

3 ± 0.0003

3 ± 0.0003

CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32

 $CmMtrCurr_MtrCurr2SumHi_Volt_M_f32$

CmMtrCurr_MtrCurr2SumLo_Volt_M_f32

CmMtrCurr_VecuSum_Volt_M_f32

 $CmMtrCurr_MtrCurr2SumZero_Volt_M_f32$

CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32

tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value

 $tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32$

tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32

tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32

 $tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32$

tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32





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	65.8850021		
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr MtrCurr2SumZero Volt M f32	44898.4609 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	V-II- 600	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr1		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ADCMtrCurr2 tgt_CmMtrCurr_Per3_ComOffset_C		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_0		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
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	V
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	44898.4609	44898.4609 ± 0.0003	
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	12546.25	12546.25 ± 0.0003	Y
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	47726.5313	47726.5313 ± 0.001	· ·
CmMtrCurr_VecuSum_Volt_M_f32	767.939636 4000	767.939636 ± 0.0009765625 4000 ± 1	.,
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32	10899.8896	10899.8896 ± 0.004	-
tgt_Pim_SnCurrCal.EOLMtrCurrVcalCmd_voltCnts_t32 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	2.17 110000		
	2.48983455	2.48983455 + 0.0003	_
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.48983455	2.48983455 ± 0.0003 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 2.49 (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			
C_CurrOffNoofAvg_Cnt_u16	5350			
c_MaxCurrOffMtrVel_RadpS_f32	4.46507597			
_MtrCurrEOLMaxOffset_Volts_f32	3			
c_MtrCurrEOLMinOffset_Volts_f32	3			
:_MtrCurrOffLoComOff_Cnt_u16	800			
gt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	0.41209054			
gt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	2.68971038			
gt_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			
gt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	1			
gt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	72593.1016			
gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.83289099			
gt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.62811708			
gt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.49345279			
gt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.77509665			
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr	1_Volts_f32		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr	2_Volts_f32		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_0	Cnt_u16		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrR	adpS_f32		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3	32		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph			
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_	Cnt_lgc		
gt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal			
Name	Actual Value	Expected Value	Resul	
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		

15487.3604

70405.5469

779.082642

4000

 $CmMtrCurr_MtrCurr2SumZero_Volt_M_f32$

 $CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32$

CmMtrCurr_VecuSum_Volt_M_f32

15487.3604 ± 0.0003

779.082642 ± 0.0009765625

70405.5469 ± 0.001

4000 ± 1



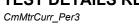


Name	Actual Value	Expected Value	Result
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	72593.1016	72593.1016 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.83289099	2.83289099 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.62811708	2.62811708 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.49345279	2.49345279 ± 0.0003	✓
tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32	1.77509665	1.77509665 ± 0.0003	✓

Т					
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		
	3		
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	2.78381634		
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32			
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_ADCMt	rCurr1_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMt	rCurr2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOf		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_	MtrRadpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_V	· -	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpc		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VhSpdValid Cnt Igc	tgt CmMtrCurr Per3 VhSpdV		
tgt Rte Inst Sa CmMtrCurr.Pim ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Resul
CmMtrCurr CurrOffAvaCounter Cnt M u16	31	21 ± 1	rtesui

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	~





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	Innut Value		
	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_VenSpd_Rpir_i5z.value	1.320930036-000		
tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32	6579.94385		
tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32	3		
	2.84182739		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32			
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.84872556	0 4 1/4 1/4 (50)	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtr		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtr		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOff		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_V	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd	_Kph_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdV	/alid_Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Resu
CmMtrCurr CurrOffAvaCounter Cnt M u16	46	46 ± 1	

Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	46	46 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_LOAVERAGE	CURROFF_LOAVERAGE	~
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1	1	~
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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	✓

Imput Value	Test Step 2.52 (Repeat Count = 1)	✓
ComMicCurr, CurroffNangCounter_Cnt, M_ una ComMicCurr, CurroffNangCounter_Cnt, M_ ge ComMicCurr, MicCurroffSetell_volvit_M_ ge ComMicCurroffSetell_volvit_M_		Input Value
ComMicror CurroffState, U.B. M. enum ComMicror CurroffTrimFlag_Cnt_M.]gc 1 ComMicror_MicrorTofSted_Volt_M.]g2 1.54937148 ComMicror_MicrorTofSted_Volt_M.]g2 2.18853402 ComMicror_MicrorTofSted_Volt_M.]g2 2.18853402 ComMicror_MicrorTofSted_Volt_M.]g2 2.18853402 ComMicror_MicrorTofSted_Volt_M.]g2 2.18853402 ComMicror_MicrorTstamLv_Volt_M.]g2 ComMicror_MicrorTstamLv_Volt_M.]g2 ComMicror_MicrorTstamLv_Volt_M.]g2 ComMicror_MicrorTstamLv_Volt_M.]g2 ComMicror_MicrorTstamLv_Volt_M.]g2 ComMicror_MicrorTstamLv_Volt_M.]g2 ComMicror_Micror2OfSted_Volt_M.]g2 2.45944734 ComMicror_Micror2OfSted_Volt_M.]g2 2.45944734 ComMicror_Micror2OfSted_Volt_M.]g2 2.47293238 ComMicror_Micror2OfSted_Volt_M.]g2 2.47293238 ComMicror_Micror2OfSted_Volt_M.]g2 2.47293386 ComMicror_Micror2OfSted_Volt_M.]g2 2.47393386 ComMicror_Micror_Micror_Volt_M.]g2 2.47393386 ComMicror_Micror_Micror_Volt_M.]g2 2.47393386 ComMicror_Micror_Nicror_Volt_M.]g2 2.47393386 ComMicror_Micror_Nicror_Volt_M.]g2 2.47393386 ComMicror_Micror_Nicror_Volt_M.]g2 2.47393386 ComMicror_Micror_Nicror_Volt_M.]g2 2.47393386 ComMicror_Micror_Nicror_Volt_M.]g2 2.47393386 ComMicror_Micror_Nicror_Volt_M.]g2 2.47393386 ComMicror_Nicror_Volt_M.]g2 2.47393386 ComMicror_Nicror_Volt_M.]g2 2.47393386 ComMicror_Nicror_Volt_M.]g2 2.47393386 ComMicror_Nicror_Volt_M.]g2 2.47393386 ComMicror_Nicror_Volt_M.]g2 2.47393386 ComMicror_Nicror_Volt_M.]g2 2.47393386 ComMicror_Nicror_V	CmMtrCurr CurrOffAvaCounter Cnt M u16	
ComMicCurr, CurrodTrinniag, Cnt, M. Igo ComMicCurr, CurrodTrinniag, Cnt, M. Igo ComMicCurr, MircurrIoffseteli, Vol. M. Igo ComMicCurr, MircurrIstame, Vol. M. Igo ComMircurr, MircurrIstame, Vol. M. Igo ComMircurrIstame, Vol. M. Igo Com		CURROFF LOAVERAGE
ComMicCurr, CurroffProcessFlag, M., enum ComMicCurr, MrcCurrl OffsethL, Volt, M., 192 ComMicCurr, MrcCurrl OffsethE, Volt, M., 192 ComMicCurr, MrcCurrl OffsethE, Volt, M., 192 ComMicCurr, MrcCurrl Stumit, Volt, M., 192 ComMicCurr, Vecusium, Volt, M., 1		-
CmMicrur, Mrcurri Offsetta, Volt, M, 192 CmMicrur, Mrcurri Offsetta, Volt, M, 192 CmMicrur, Mrcurri Offsetze, Volt, M, 192 CmMicrur, Mrcurri Offsetze, Volt, M, 192 CmMicrur, Mrcurri Stumel, Volt, M, 192 CmMicrur, Vecusium, Ve		2
CmMICCurr_MicCurr1OffsetLo_Volt_M_132		1.55437148
CmMtCurr_MtCurrSumH_Volt_M_132		2.18853402
CmMitrCurr_MitrCurr1SumHi_Volt_M_132 5000 CmMitrCurr_MitrCurr1SumLo_Volt_M_132 5000 CmMitrCurr_MitrCurr1SumLo_Volt_M_132 2 2.45344734 CmMitrCurr_MitrCurr2OffsetLo_Volt_M_132 1.05157495 CmMitrCurr_MitrCurr2OffsetLo_Volt_M_132 2.47293238 CmMitrCurr_MitrCurr2OffsetLo_Volt_M_132 2.247293238 CmMitrCurr_MitrCurr2OffsetLo_Volt_M_132 2.27679549 CmMitrCurr_MitrCurr2SumLo_Volt_M_132 2.37679549 CmMitrCurr_MitrCurr2SumLo_Volt_M_132 2.37679549 CmMitrCurr_MitrCurr2SumLo_Volt_M_132 2.37679549 CmMitrCurr_MitrCurr2SumLo_Volt_M_132 3.37677.1406 CmMitrCurr_MitrCurr2Sum_Volt_M_132 3.37677.1406 CmMitrCurr_MitrCurr2Sum_Volt_M_132 3.000.465027 Rile_Inst_Sa_CmMitrCurr Inst_Sa_CmMitrCurr Inst_S		
CmMtrCurr_MtrCurr1SumLo_Volt_M_132		1.22132409
CmMtrCurr_MtrCurr2Greet_LVolt_M_132 2.45344734 CmMtrCurr_MtrCurr2Greet_LVolt_M_132 1.05157495 CmMtrCurr_MtrCurr2Greet_LVolt_M_132 2.47292328 CmMtrCurr_MtrCurr2Greet_LVolt_M_132 2.8836386 CmMtrCurr_MtrCurr2SumL_Volt_M_132 41957.3516 CmMtrCurr_MtrCurr2SumL_Volt_M_132 2.37079549 CmMtrCurr_MtrCurr2SumL_Volt_M_132 2.37079549 CmMtrCurr_MtrCurr2SumL_Volt_M_132 37677.1406 CmMtrCurr_VecuSum_Volt_M_132 800.465027 Rte_Inst_Sa_CmMtrCurr Ig_Rte_Inst_Sa_CmMtrCurr K_CurrOffNoCANy_Cnt_U16 6850 K_MaxCurrOffMxVel_Radps_162 9.16929317 K_MtrCurrECUMaxOffset_Volts_1632 2.9955564 K_MtrCurrECUMaxOffset_Volts_1632 1.11085141 K_MtrCurrECUMaxOffset_Volts_1632 value 950 Ig_CmMtrCurr_Per3_ADCMtrCurr_Volts_1632 value 1.85922432 Ig_CmMtrCurr_Per3_ADCMtrCurr_Volts_1632 value 1.35922432 Ig_CmMtrCurr_Per3_Volts_MtrAdps_1632 value 1.22093002e-008 Ig_CmMtrCurr_Per3_Volts_MtrCurr_LVolts_1632 3 Ig_Pim_ShCurrCall_EOLMtrCurrYcalCrd_Voltcin_1632 50186.2891 Ig_Pim_ShCurrCall_EOLMtrCurrYcal		50000
CmMtrCurr_MtrCurr2Offsethi_Volt_M_f32		2.45344734
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 2.47292328 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 2.08536386 CmMtrCurr_MtrCurr2SumtLo_Volt_M_f32 41957.3516 CmMtrCurr_MtrCurr2SumtLo_Volt_M_f32 2.37079549 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 24310.6895 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 37677.1406 CmMtrCurr_VecuSum_volt_M_f32 800.468027 CmMtrCurr_VecuSum_volt_M_f32 800.468027 Ke_Inst_Sa_CmMtrCurr tgt_Re_Inst_Sa_CmMtrCurr Ke_LorrOffNodAvg_Cnt_u16 6850 K_McurrChLMaxOffset_Volts_f32 9.15929317 K_MtrCurrChLMaxOffset_Volts_f32 2.9955564 K_MtrCurrChLMaxOffset_Volts_f32 1.11086141 K_MtrCurrChLMaxOffset_Volts_f32 9.15929317 K_MtrCurrChLMaxOffset_Volts_f32 1.11086141 K_MtrCurrChLOT_Volts_f32 9.15929317 K_MtrCurrChLMaxOffset_Volts_f32 1.11086141 K_MtrCurrChLVolts_f402 9.15929417 tgt_CmMtrCurr_Per3_AbcCMtrCurr_Volts_f32.4value 0.182596684 tgt_CmMtrCurr_Per3_AbcCMtrCurr_Volts_f52.4value 1.35922432 tgt_CmMtrCurr_Per3_Volts_f40_F4_f52.4value 1.220930002-008		1.05157495
CmMtrCurr_MtrCurr20ffsetZero_Volt_M_f32 2.08536386 CmMtrCurr_MtrCurr2SumL_Volt_M_f32 41957.3516 CmMtrCurr_MtrCurr2Sum_Zolt_M_f32 2.37079549 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 24310.8895 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 37677.1406 CmMtrCurr_Curr_MtrCurr2SumZero_Volt_M_f32 800.468027 CmMtrCurr_Vessum_Volt_M_f32 800.468027 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr k_CurrOffMooRay_Cnt_u16 8850 k_MacCurrOffMtrVel_Radps_f32 9.15929317 k_MtrCurrEOLMinOffset_Volts_f32 2.99555654 k_MtrCurrEOLMinOffset_Volts_f32 1.11085141 k_MtrCurr_Delm_form_L16 950 tgt_CmMtrCurr_Per3_ADCMtrCurr_Volts_f32.value 0.182596684 tgt_CmMtrCurr_Per3_ADCMtrCurr_Volts_f32.value 1.35922432 tgt_CmMtrCurr_Per3_ADVE_f0r_f0r_Volts_f32.value 9 tgt_CmMtrCurr_Per3_Volts_f0r_f32.value 1.22093002e-008 tgt_CmMtrCurr_Per3_Volts_f0r_f32.value 1 tgt_Pim_ShCurrCal_EOLMtrCurr_OffsetLo_Volts_f32 2.3087294 tgt_Pim_ShCurrCal_EOLMtrCurr_OffsetLo_Volts_f32 2.3087294 tgt_Pim_ShCurrCal_EOLMtrCur		2.47292328
CmMtrCur_SumHi_Volt_M [32 41957.3516 CmMtrCur_StumLo_Volt_M [32 2.37079549 CmMtrCur_StumLov_Volt_M [32 24310.8895 CmMtrCur_WircurValCmd_VoltCnt_M [32 37677.1406 CmMtrCur_WircurValCmd_VoltCnt_M [32 800.465027 Ke Jinst, Sa_CmMtrCurr Igt_Rel_inst, Sa_CmMtrCurr k_ Unr OffNootAvg_Cnt_u16 8850 k_ MaxCurrOffMtvVel_Radps_[32 9.15929317 k_ MtrCurrEOLMaxOffSet_Volts_[32 2.99555564 k_ MtrCurrEOLMinOffSet_Volts_[32 1.11085411 k_ MtrCurrEOLMinOffSet_Volts_[32 1.1596684 tgt_CmMtrCur_Per3_ADCMtrCurr_Volts_[32.value 950 tgt_CmMtrCur_Per3_ADCMtrCurr_Volts_[32.value 1.35922432 tgt_CmMtrCur_Per3_ADCMtrCurr_Volts_[32.value 9 tgt_CmMtrCur_Per3_Volts_[32.value 9 tgt_CmMtrCur_Per3_Volts_[40.cm], tgx_value 1.22093002e-008 tgt_Pim_ShCurrCal_EOLMtrCurrValCmd_VoltCnts_[32 50186.2891 tgt_Pim_ShCurrCal_EOLMtrCurrVolTefset_U. Volts_[32 3 tgt_Pim_ShCurrCal_EOLMtrCurrOffset_U. Volts_[32 2.30887294 tgt_Pim_ShCurrCal_EOLMtrCurrOffset_U. Volts_[32 3 tgt_Pim_ShCurrCal_EOLMtrCurrOffset		2.08536386
CmMtrCur_SumLo_Volt_M_f32 2.37079549 CmMtrCur_MtrCur/sumZero_Volt_M_f32 24310.6895 CmMtrCur_MtrCur/sumZero_Volt_M_f32 37677.1406 CmMtrCur_VecuSum_Volt_M_f32 800.465027 Rte_Inst_Sa_CmMtrCur tgt_Rte_Inst_Sa_CmMtrCurr K_CurrOffMordAvg_Cnt_u16 685 K_CurrOffMordYet_RadpS_f32 9.15929317 k_MtrCurrEOLMaxOffset_Volts_f32 2.99555564 k_MtrCurrEOLMinOffset_Volts_f32 1.11085141 k_MtrCurrEOLMinOffset_Volts_f32 1.11085141 k_MtrCurr_Per3_ADCMtrCurr_Volts_f32.value 950 tgt_CmMtrCur_Per3_ADCMtrCurr_Volts_f32.value 0.182596684 tgt_CmMtrCur_Per3_ADCMtrCurr_Volts_f32.value 9 tgt_CmMtrCur_Per3_Vecu_Volt_f32.value 9 tgt_CmMtrCur_Per3_Vers_Volt_f32.value 1.2093002e-008 tgt_CmMtrCur_Per3_Vers_Volt_f32.value 1 tgt_Pim_ShCurrCal_ECU.MtrCurr_Volts_f32 3 tgt_Pim_ShCurrCal_ECU.MtrCurr_Volts_f32 3 tgt_Pim_ShCurrCal_ECU.MtrCurr_Volts_f32 1.13170183 tgt_Pim_ShCurrCal_ECU.MtrCurr_OffsetDif_Volts_f32 1.13170183 tgt_Pim_ShCurrCal_ECU.MtrCurr_OffsetDif_Volts_f32 1.1317		41957.3516
CmMtrCurr_MtrCurr/SumZero_Volt_M_f32 24310.6895 CmMtrCurr_MtrCurr/AllCmd_VoltCnt_M_f32 37677.1406 CmMtrCurr_VecuSum_Volt_M_f32 800.465027 Rle_Inst_Sa_CmMtrCurr tgL_Rte_Inst_Sa_CmMtrCurr k_CurrOffNoofAvg_Cnt_u16 6850 k_CurrOffMirvel_RadpS_f32 9.15929317 k_MmCurrEOLMinOffSet_Volts_f32 2.99555564 k_MtrCurrOffLocMoff_Cnt_u16 950 k_MtrCurrOffLocMoff_Cnt_u16 950 k_CmMtrCurr_Per3_ADCMtrCurr_Volts_f32.value 0.182596684 tgt_CmMtrCurr_Per3_ADCMtrCurr_Volts_f32.value 1.35922432 tgt_CmMtrCurr_Per3_ADCMtrCurr_Volts_f32.value 9 tgt_CmMtrCurr_Per3_Volts_f32_value 9 tgt_CmMtrCurr_Per3_Volts_f32_value 1.22093002e-008 tgt_CmMtrCurr_Per3_Volts_f32_value 1.22093002e-008 tgt_Pim_ShCurrCal_EOLMtrCurr/OffsetLot_Volts_f32 3 tgt_Pim_ShCurrCal_EOLMtrCurr_OffsetLot_Volts_f32 2.0887294 tgt_Pim_ShCurrCal_EOLMtrCurr_OffsetLot_Volts_f32 1.13170183 tgt_Pim_ShCurrCal_EOLMtrCurr_OffsetLot_Volts_f32 1.13170183 tgt_Pim_ShCurrCal_EOLMtrCurr_OffsetDif_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr		2.37079549
CmMtrCurr_MtrCurrVeuCsum_Volt_M_f32 37677.1406 CmMtrCurr_VeuCsum_Volt_M_f32 800.465027 Rte_Inst_Sa_CmMtrCurr tg_Re_Inst_Sa_CmMtrCurr k_CurrOffNoofAvg_Cnt_u16 6850 k_MaxCurrOffMtrVel_RadpS_f32 9.15829317 k_MtrCurrEOLMaxOffset_Volts_f32 2.99555564 k_MtrCurrColl.MaxOffset_Volts_f32 1.11085141 k_MtrCurrOffLoComOff_Cnt_u16 950 tgl_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value 0.182596684 tgl_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value 1.35922432 tgl_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value 9 tgl_CmMtrCurr_Per3_Ver0_Volt_f32.value 9 tgl_CmMtrCurr_Per3_Ver0_Volt_f32.value 1.22093002e-008 tgl_CmMtrCurr_Per3_Ver0_Volt_f32.value 1.22093002e-008 tgl_Pim_ShCurrCal_EOLMtrCurrVoltCmt_Ovlotts_f32 3 tgl_Pim_ShCurrCal_EOLMtrCurrOffsetLo_Volts_f32 3 tgl_Pim_ShCurrCal_EOLMtrCurrOffsetLo_Volts_f32 1.13170183 tgl_Pim_ShCurrCal_EOLMtrCurr_OffsetLo_Volts_f32 1.13170183 tgl_Pim_ShCurrCal_EOLMtrCurr_Per3_ADCMtrCurr_Volts_f32 tgl_CmMtrCurr_Per3_ADCMtrCurr_Volts_f32 tgl_Rie_Inst_Sa_CmMtrCurr_CmMtrCurr_Per3_ADCMtrCurr_Volts_f32 <td></td> <td>24310.6895</td>		24310.6895
CmMtrCurr_VecuSum_Volt_M_132 800.465027 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr k_CurrOffNoofAvg_Cnt_u16 6850 k_MacCurrOffMtrVel_RadpS_132 9.15929317 k_MtrCurrEOLMaxOffset_Volts_132 2.99555564 k_MtrCurrEOLMinOffset_Volts_132 1.11085141 k_MtrCurrOffLoComOff_Cnt_u16 950 tg_CmMtrCurr_Per3_ADCMtrCurr_Volts_132.value 0.182596684 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_132.value 1.35922432 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_132.value 9 tgt_CmMtrCurr_Per3_Vecu_Volt_162.value 5.0676527 tgt_CmMtrCurr_Per3_VerbSpd_Kph_152.value 1.22093002e-008 tgt_CmMtrCurr_Per3_VerbSpd_Kph_152.value 1.22093002e-008 tgt_Pim_shCurrCal_EOLMtrCurr1Offsetto_Volts_152 50186.2891 tgt_Pim_shCurrCal_EOLMtrCurr2Offsetto_Volts_132 3.30887294 tgt_Pim_shCurrCal_EOLMtrCurr1Offsetto_iff_Volts_132 1.13170183 tgt_Pim_shCurrCal_EOLMtrCurr_Per3_ADCMtrCurr_Volts_132 3.20887294 tgt_Rie_Inst_Sa_CmMtrCurr_CmMtrCurr_Per3_ADCMtrCurr_Volts_132 tgt_CmMtrCurr_Per3_ADCMtrCurr_Volts_132 tgt_Rie_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr_Volts_132 tgt_CmMtrCurr_Per3_ADCMtrCurr_Volts_1		37677.1406
Rte_Inst_Sa_CmMtrCurr		800.465027
k_CurrOffNorfAvg_Cnt_u16 6850 k_MacCurrOffMrtVel_RadpS_f32 9.15929317 k_MtrCurrEOLMaxOffset_Votts_f32 2.99555564 k_MtrCurrOffLoComOff_Cnt_u16 950 k_MtrCurrOffLoComOff_Cnt_u16 950 tgt_CmMtrCurr_Per3_ADCMtrCurr1_Votts_f32.value 0.182596684 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Votts_f32.value 1.35922432 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Votts_f32.value 9 tgt_CmMtrCurr_Per3_VerbSpd_Kph_f32.value 5.0676527 tgt_CmMtrCurr_Per3_VerbSpd_Kph_f32.value 1.22093002e-008 tgt_CmMtrCurr_Per3_VerbSpd_Kph_f32.value 1 tgt_Pim_ShCurrCal_EDLMtrCurrVcalCmd_VottCnts_f32 50186.2891 tgt_Pim_ShCurrCal_EDLMtrCurrYOffsett_0_Votts_f32 3 tgt_Pim_ShCurrCal_EDLMtrCurr1Offsett_0_Votts_f32 3 tgt_Pim_ShCurrCal_EDLMtrCurr1Offsett_0_Votts_f32 2.30887294 tgt_Pim_ShCurrCal_EDLMtrCurr1Offsettoff_Votts_f32 3 tgt_Pim_ShCurrCal_EDLMtrCurr_Per3_ADCMtrCurr1_Votts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr1_Votts_f32 tgt_Rie_inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Votts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Votts_f32 tgt_Rie_inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Votts_f32 tgt_CmMtrCurr_Per3		tgt Rte Inst Sa CmMtrCurr
k_MaxCurrOffMrVel_RadpS_f32 9.15929317 k_MtrCurrEOLMaxOffset_Volts_f32 2.99555564 k_MtrCurrOffLocmOff_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_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 50186.2891 tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltS_f32 3 tgt_Pim_ShCurrCal.EOLMtrCurrOffsetLo_Volts_f32 2.30887294 tgt_Pim_ShCurrCal.EOLMtrCurrOffsetDiff_Volts_f32 1.3170183 tgt_Pim_ShCurrCal.EOLMtrCurrOffsetDiff_Volts_f32 3 tgt_Pim_ShCurrCal.EOLMtrCurrOffsetDiff_Volts_f32 3 tgt_Pim_ShCurrCal.EOLMtrCurrOffsetDiff_Volts_f32 1.3170183 tgt_Pim_ShCurrCal.EOLMtrCurrOffsetDiff_Volts_f32 3 tgt_Rie_inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr_Volts_f32 tgt_Rie_inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_CmMtrCurr_Per3_ADCMtrCurr_Per3_MctrCurr_RadpS_f32 tgt_Rie_inst_Sa_CmMtrCurr.CmMtrCur	k CurrOffNoofAvg Cnt u16	
k_MtrCurrEOLMinOffset_Volts_i32 1.11085141 k_MtrCurrOffLoComOff_Cnt_u16 950 tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_i32_value 0.182596684 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_i32_value 1.35922432 tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_i32_value 9 tgt_CmMtrCurr_Per3_Wtvel_MtrRadpS_i32_value 5.0676527 tgt_CmMtrCurr_Per3_VebSpd_Kph_i32_value 1.22093002e-008 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc_value 1 tgt_Pim_ShCurrGal.EOLMtrCurrValCmd_VoltCnts_i32 50186.2891 tgt_Pim_ShCurrGal.EOLMtrCurr1OffsetLo_Volts_i32 3 tgt_Pim_ShCurrGal.EOLMtrCurr1OffsetLo_Volts_i32 2.30887294 tgt_Pim_ShCurrGal.EOLMtrCurr1OffsetDiff_Volts_i32 1.13170183 tgt_Pim_ShCurrGal.EOLMtrCurr1OffsetDiff_Volts_i32 3 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_i32 3 tgt_Pim_ShCurrCal.EOLMtrCurr.OffsetDiff_Volts_i32 1.3170183 tgt_Pim_ShCurrCal.EOLMtrCurr.OffsetDiff_Volts_i32 15 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_i32 15 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_i32 15 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_i32 15 15	k MaxCurrOffMtrVel RadpS f32	9.15929317
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.EOLMtrCurr2OffsetDiff_Volts_f32 1.13170183 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 3 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 3 tgt_Pim_ShCurrCal.EOLMtrCurr_Per3_ADCMtrCurr2_Volts_f32 3 tgt_Pim_ShCurrCal.EOLMtrCurr_Per3_ADCMtrCurr2_Volts_f32 3 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_CmmOffset_Cnt_u16 tgt_CmMtrCurr_Per3_DCCMtrCurr_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VenSpd_Kph_f32 tgt_CmMtrCurr_Per3_VenSpd_Kph_f32	k MtrCurrEOLMaxOffset Volts f32	2.99555564
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	k_MtrCurrEOLMinOffset_Volts_f32	1.11085141
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value 5.0676527 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value 5.0676527 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value 1.22093002e-008 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.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 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiif_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiif_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiif_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_CmOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_CmMtrCurr_Per3_Venc_Volt_f32	k_MtrCurrOffLoComOff_Cnt_u16	950
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	0.182596684
tgt_CMMtrCurr_Per3_Vecu_Volt_f32_value tgt_CMMtrCurr_Per3_VehSpd_Kph_f32_value tgt_CMMtrCurr_Per3_VhSpdValid_Cnt_lgc_value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_Volts_MtrRadpS_f32 tgt_CmMtrCurr_Per3_Volts_MtrRadpS_f32 tgt_CmMtrCurr_Per3_Volts_MtrRadpS_f32 tgt_CmMtrCurr_Per3_Volts_MtrRadpS_f32 tgt_CmMtrCurr_Per3_Volts_Mtr_Adf_S2 tgt_CmMtrCurr_Per3_Volts_Mtr_Ad	tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	1.35922432
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value 1.22093002e-008 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value 1.22093002e-008 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VehSpd_Velid_Cnt_lgc	tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	9
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value 1 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_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_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VehSpdValid_Cnt_lgc tgt_CmMtrCurr_Per3_VehSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	5.0676527
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	1.22093002e-008
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	1
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VehSpd_Vehid_Cnt_lgc	tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	50186.2891
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VerSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VerSpd_VerSp	tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 3 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_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_VehSpd_Valid_Cnt_lgc tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.30887294
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Valid_Cnt_lgc tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.13170183
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vers_Unit_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vers_Unit_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vers_Unit_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vers_Unit_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vers_Unit_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vers_Unit_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vers_Unit_f32 tgt_CmMtrCurr_Per3_Vers_Unit_f32 tgt_CmMtrCurr_Per3_Vers_Unit_f32 tgt_CmMtrCurr_Per3_Vers_Unit_f32 tgt_CmMtrCurr_Per3_Vers_Unit_f32 tgt_CmMtrCurr_Per3_Vers_Unit_f32	tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr.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.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_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_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	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.Pim_ShCurrCal tgt_Pim_ShCurrCal	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_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	✓

Τ					
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





Name	Input Value		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3:	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_	_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_0	Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	48	48 ± 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	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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	✓

Test Step 2.54 (Repeat Count = 1)	
Name	Input Value
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	48
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_LOAVERAGE
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1
CmMtrCurr_CurroffProcessFlag_M_enum	2
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	2.89845324
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	1.79951966
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1.79951966
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	3
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	3
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	3
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.43861294
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.31556726
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	132.664993
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	0
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	30192.9102
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	51315.3594
CmMtrCurr_VecuSum_Volt_M_f32	822.724976
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
k_CurrOffNoofAvg_Cnt_u16	7850
k_MaxCurrOffMtrVel_RadpS_f32	17.6410484
k_MtrCurrEOLMaxOffset_Volts_f32	3
k_MtrCurrEOLMinOffset_Volts_f32	1.6284523
k_MtrCurrOffLoComOff_Cnt_u16	1050
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	1.52804279
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	1.6518712
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	17
tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	27.7039509
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	1.82093007e-008
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	1
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	63330.0391
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3
tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32	2.78589034

tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32

tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32





Name	Input Value		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.26931763		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr1	_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2	_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_C	nt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	dpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3:	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_	_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_0	Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	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	✓

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	~

2.26931763

3 ± 0.0003

2.26931763 ± 0.0003

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

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_V	olts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2_V	olts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_Cnt_	_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRadp	S_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f3	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr CurrOffAvaCounter Cnt M u16	50	50 ± 1	

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	✓

Τ				
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

CmMtrCurr_Per3			MACHEAL
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 C		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	dpS f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32	tgt CmMtrCurr Per3 VehSpd Kph		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_0	_	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr CurrOffAvgCounter Cnt M u16	51	51 ± 1	rtesuit
CmMtrCurr CurrOffState Uls M enum	CURROFF LOAVERAGE	CURROFF LOAVERAGE	·
	1	1	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc		·	
CmMtrCurr_CurroffProcessFlag_M_enum	1 57705274	1 4 57705074 + 0 0000	
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	V
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	5
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	~
tot Pim ShCurrCal FOI MtrCurr2OffsetDiff Volts f32	1 55611205	1 55611205 + 0 0003	

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	✓

1.55611205

1.55611205 ± 0.0003

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

 $tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32$

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_ADCMtr0	Curr1_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtr0	Curr2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffs	et_Cnt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_N	/trRadpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Vc	lt_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_VhSpdVa	alid_Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr CurrOffAvgCounter Cnt M u16	52	52 + 1	✓

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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	✓

Τ				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	~

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

CmMtrCurr_Per3

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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 $CmMtrCurr_MtrCurr2SumLo_Volt_M_f32$ 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 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 $tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32$ 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 Igc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal tgt_Pim_ShCurrCal

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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	✓

Τ				
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

CmMtrCurr_Per3		MZ	201CAL
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_Cn	t_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRad	lpS_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_t	132	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_C	nt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Resul
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 MtrCurr2Suml o Volt M f32	20.4384048	20 4204010 + 0 0002	

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
Actual Function Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	Count	Expected Function Rte_Call_CmMtrCurr_Per3_CP0_Checkpoin	ntReached	Count 1	Result

29.4384918

44901.4609

1339.94348

60901.1875

878.375

0

3

29.4384918 ± 0.0003

 44901.4609 ± 0.0003

1339.94348 ± 0.001

60901.1875 ± 0.004

0 ± 1

3 ± 0.0003

3 ± 0.0003

878.375 ± 0.0009765625

CmMtrCurr_MtrCurr2SumLo_Volt_M_f32

CmMtrCurr_VecuSum_Volt_M_f32

 $CmMtrCurr_MtrCurr2SumZero_Volt_M_f32$

CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32

tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value

 $tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32$

tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32

tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32





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_MtrCurr3OffoetH; Volt M_f32	3 1,24155974		
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 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 1.12093002e-008		
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	1.12093002e-008		
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value 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_MtrRad	pS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_Cr	nt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	55	55 ± 1	Y
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_ZEROAVERAGE	CURROFF_ZEROAVERAGE	Y
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1	1	
CmMtrCurr_CurroffProcessFlag_M_enum	1	1	V
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr MtrCurr1OffsetZero Volt M f32	3 4.0999999	3 ± 0.0003	~
CmMtrCurr MtrCurr1SumHi Volt M f32	30.7622643	4.0999999 ± 0.0003 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	2.37534189 1.29947114	1.29947114 ± 0.0003	~
	2.37534189		



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)	Innut Value		
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		
x_MaxCurrOffMtrVel_RadpS_f32	8.85937309		
k_MtrCurrEOLMaxOffset_Volts_f32	1.42353129		
<_MtrCurrEOLMinOffset_Volts_f32	3		
<_MtrCurrOffLoComOff_Cnt_u16	1400		
gt_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		
gt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr1_	Volts_f32	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2_	Volts_f32	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_Cn	t_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRad	pS_f32	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_Ci	nt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Resu
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	
	3	3 ± 0.0003	
CmMtrCurr MtrCurr1SumLo Volt M f32	1.5		
	3.65128636	3,05128030 ± 0.0003	
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	3.65128636 2.06164098	3.65128636 ± 0.0003 2.06164098 ± 0.0003	
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	2.06164098	2.06164098 ± 0.0003	
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.06164098 1.28129196	2.06164098 ± 0.0003 1.28129196 ± 0.0003	
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr MtrCurr2SumHi Volt M f32	2.06164098	2.06164098 ± 0.0003	

16.249506

50001.7109

64880.5586

900.63501

 $CmMtrCurr_MtrCurr2SumLo_Volt_M_f32$

CmMtrCurr_VecuSum_Volt_M_f32

CmMtrCurr_MtrCurr2SumZero_Volt_M_f32

 $CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32$

16.249506 ± 0.0003

50001.7109 ± 0.0003

64880.5586 ± 0.001

0 ± 1

900.63501 ± 0.0009765625





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_f3				
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f3	62			
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_VebSpd_Keb_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_Pim_ShCurrCal				
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal		Expected Value	Doguit		
Name CmMtrCurr CurrOffAvgCounter Cnt M u16	Actual Value	Expected Value 57 ± 1	Result		

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	~





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	✓

Τ				✓
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 Igc	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		
	2.6369369		
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr MtrCurr2OffsetHi Volt M f32	1.38367915		
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	1.7515341		
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32			
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_ADCMtrCur		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCur	r2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_	Cnt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_Mtrl	RadpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_	f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kp	oh_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	Resu
CmMtrCurr CurrOffAvgCounter Cnt M u16	57	57 ± 1	

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

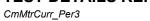




Name	Actual Value	Expected Value	Result
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	15.8433237	15.8433237 ± 0.0003	~
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	1.85141718	1.85141718 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	2.6369369	2.6369369 ± 0.0003	•
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1.38367915	1.38367915 ± 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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	✓

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





Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✓
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓
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	✓





Name	Input Value		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f	tgt_CmMtrCurr_Per3_Vecu_Volt_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kpl	tgt_CmMtrCurr_Per3_VehSpd_Kph_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_	_Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	59	59 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	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	✓

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte Call CmMtrCurr Per3 CP1 CheckpointReached	1	Rte Call CmMtrCurr Per3 CP1 CheckpointReached	1	✓

Test Step 2.66 (Repeat Count = 1)	✓
Name	Input Value
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	60
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_CALC
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1
CmMtrCurr_CurroffProcessFlag_M_enum	2
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	2.81754565
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	4.5
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	4.69999981
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	2.11536908
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	12546.25
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	1.01092339
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	1.17914116
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.64458537
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	3
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	15.8433237
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	3
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	50648.5977
CmMtrCurr_VecuSum_Volt_M_f32	956.284973
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
k_CurrOffNoofAvg_Cnt_u16	258
k_MaxCurrOffMtrVel_RadpS_f32	13.6347666
k_MtrCurrEOLMaxOffset_Volts_f32	1
k_MtrCurrEOLMinOffset_Volts_f32	1.29968858
k_MtrCurrOffLoComOff_Cnt_u16	987
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	1.30482483
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	2.72327757
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	13
tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	26.566885
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	1.72093007e-008
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	1
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	36573.0195
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.17193532
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.49366164

CmMtrCurr_MtrCurr2SumZero_Volt_M_f32

CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32

tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value

tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32

 $tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32\\ tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32\\$

 $tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32$

CmMtrCurr_VecuSum_Volt_M_f32





Name	Input Value		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.44606352		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.89337552		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCu	ırr1_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCu	ırr2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset	t_Cnt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_Mtr	rRadpS_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_K	ph_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdVali	d_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_INTIALISE	CURROFF_INTIALISE	~
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	✓

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	✓

50648.5977

956.284973

36573.0195

1.17193532

2.49366164

1.44606352

1.89337552

0

3 ± 0.0003 50648.5977 ± 0.001

0 ± 1

956.284973 ± 0.0009765625

36573.0195 ± 0.004

1.17193532 ± 0.0003

2.49366164 ± 0.0003

1.44606352 ± 0.0003

1.89337552 ± 0.0003

Test Step 2.67 (Repeat Count = 1)	✓
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

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_V	olts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2_V	olts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_Cnt_	_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRadp	S_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f3	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_Cn	t_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	61	61 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	~
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~

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

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	~

Test Step 2.68 (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	4.6999981	
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	

CmMtrCurr_Per3

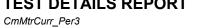


Name	Input Value
k MtrCurrEOLMaxOffset Volts f32	2.79999995
k_MtrCurrEOLMinOffset_Volts_f32	2.17881703
k_MtrCurrOffLoComOff_Cnt_u16	589
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	0.830244541
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	1.48206139
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	15
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_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal

igi_rttc_mst_oa_omwitodir.rim_onodirodi	tgt_r iiii_oilodiiodi		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	62	62 ± 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	2.26628852	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	✓

Τ				✓
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	





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	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	2_Volts_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_C	Cnt_u16		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	adpS_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3	2		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph	_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_	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 INTIALISE	CURROFF INTIALISE	₩	

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Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	63	63 ± 1	~
CmMtrCurr_CurrOffState_UIs_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✓
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	3	3 ± 0.0003	•
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	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	

2016-07-24, 11:55:02+0530



CmMtrCurr_Per3 Input Value CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 3 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 1.81125057 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 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 44400 6758 $CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32$ CmMtrCurr_VecuSum_Volt_M_f32 1000.80499 Rte_Inst_Sa_CmMtrCurr tgt_Rte_Inst_Sa_CmMtrCurr k_CurrOffNoofAvg_Cnt_u16 k MaxCurrOffMtrVel RadpS f32 15 1356554 k_MtrCurrEOLMaxOffset_Volts_f32 3 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 CmMtrCurr Per3 VhSpdValid Cnt Igc tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VhSpdValid Cnt Igc tgt Rte Inst Sa CmMtrCurr.Pim ShCurrCal tot Pim ShCurrCal

Name Actual Value Expected Value Result CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 64 64 64 ± 1 ✓ CmMtrCurr_CurrOffState_Uls_M_enum CURROFF_INTIALISE CURROFF_INTIALISE ✓ CmMtrCurr_CurrOffFrening_Cnt_M_lgc 0 0 0 ✓ CmMtrCurr_CurrOffFrening_Gnt_Mr_Und_182 3 3 ± 0.0003 ✓ CmMtrCurr_MtrCurr1OffsetLot_Volt_M_182 3 3 ± 0.0003 ✓ CmMtrCurr_MtrCurr1OffsetLot_Volt_M_182 5 5 ± 0.0003 ✓ CmMtrCurr_MtrCurr1SumHi_Volt_M_182 12546.25 12546.25 ± 0.0003 ✓ CmMtrCurr_MtrCurr1SumLot_Volt_M_182 24310.6895 24310.6895 ± 0.0003 ✓ CmMtrCurr_MtrCurr1SumLot_Volt_M_182 3 3 ± 0.0003 ✓ CmMtrCurr_MtrCurr2OffsetHi_Volt_M_182 3 3 ± 0.0003 ✓ CmMtrCurr_MtrCurr2OffsetH_Volt_M_182 1.81125057 1.81125057 ± 0.0003 ✓ CmMtrCurr_MtrCurr2SumHi_Volt_M_182 2.06366134 2.06366134 ± 0.0003 ✓ CmMtrCurr_MtrCurr2SumLo_Volt_M_132 33134.0195 33134.0195 ± 0.0003	tgt_Rte_inst_Sa_ChilvitiCutt.Filli_ShCuttCal	tgt_Filli_SilCuliCal		
CmMtrCurr_CurrOffState_UIs_M_enum CURROFF_INTIALISE CURROFF_INTIALISE CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc 0 0 0 CmMtrCurr_CurroffTrimFlag_Cnt_M_enum 3 3 3 ± 0.0003 ✓ CmMtrCurr_MtrCurr10ffsetb_U_volt_M_f32 3 3 ± 0.0003 ✓ CmMtrCurr_MtrCurr10ffsetb_Ovolt_M_f32 5 5 ± 0.0003 ✓ CmMtrCurr_MtrCurr15mtLo_Volt_M_f32 12546.25 12546.25 ± 0.0003 ✓ CmMtrCurr_MtrCurr15umLo_Volt_M_f32 24310.6895 ± 0.0003 ✓ ✓ CmMtrCurr_MtrCurr15umZero_Volt_M_f32 3 3 ± 0.0003 ✓ CmMtrCurr_MtrCurr20ffsetHi_Volt_M_f32 3 3 ± 0.0003 ✓ CmMtrCurr_MtrCurr20ffsetHi_Volt_M_f32 3 3 ± 0.0003 ✓ CmMtrCurr_MtrCurr20ffsetLo_Volt_M_f32 1.81125057 1.81125057 ± 0.0003 ✓ CmMtrCurr_MtrCurr20ffsetLo_Volt_M_f32 2.06366134 2.06366134 ± 0.0003 ✓ CmMtrCurr_MtrCurr20ffsetLo_Volt_M_f32 33134.0195 33134.0195 ± 0.0003 ✓ CmMtrCurr_MtrCurr20ffsetLo_Volt_M_f32 1.2478286 1.2478286 ± 0.0003 ✓	Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc 0 0 ✓ CmMtrCurr_CurroffProcessFlag_M_enum 3 3 3 ± 0.0003 ✓ CmMtrCurr_MtrCurr1OffsettLo_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_MtrCurrSumLo_Volt_M_f32 24310.6895 24310.6895±0.0003 ✓ CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 3 3±0.0003 ✓ CmMtrCurr_MtrCurr2OffsettL_Volt_M_f32 3 3±0.0003 ✓ CmMtrCurr_MtrCurr2OffsettL_Volt_M_f32 1.81125057 1.81125057±0.0003 ✓ CmMtrCurr_MtrCurr2OffsetLO_Volt_M_f32 2.06366134 2.06366134±0.0003 ✓ CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 1.2478286 1.2478286±0.0003 ✓ CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 1.2478286 1.2478286±0.0003 ✓ CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 3 3±0.0003 ✓ CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 44400.6758 44400.6758±0.001 <t< td=""><td>CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16</td><td>64</td><td>64 ± 1</td><td>~</td></t<>	CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	64	64 ± 1	~
CmMtrCurr_CurroffProcessFlag_M_enum 3 3 3 ± 0.0003 ✓ CmMtrCurr_MtrCurr1OffsetHi_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_SumLo_Volt_M_f32 24310.6895 24310.6895 ± 0.0003 ✓ CmMtrCurr_MtrCurr1SumLo_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_MtrCurr2DsmHi_Volt_M_f32 33134.0195 33134.0195 ± 0.0003 ✓ CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 1.2478286 1.2478286 ± 0.0003 ✓ CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 3 3 ± 0.0003 ✓ CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 44400.6758 44400.6758 ± 0.0003 ✓ CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 1000.80499 1000.80499 ± 0.0009765625 ✓ tgt_CmMtrCurr_	CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_MtrCurr1Offsetto_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_MtrCurrISumLo_Volt_M_f32 24310.6895 24310.6895 ± 0.0003 CmMtrCurr_MtrCurr2OffsetHi_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_VecuSum_Volt_M_f32 44400.6758 44400.6758 ± 0.001 CmMtrCurr_Per3_ComOffset_Cnt_u16.value 0 0 ± 1 tgt_Pim_ShCurrCal_EOLMtrCurr1Offset_Covits_f32 3 3 ± 0.0003 tgt_Pim_ShCurrCal_EOLMtrCurr1Offset_Lo_Volts_f32 3 3 ± 0.0003 tgt_Pim_ShCurrCal_EOLMtrCurr1Offset_Lo_Volts_f32 2.62237978 2.62237978 ± 0.0003 tgt_Pim_ShCu	CmMtrCurr_CurroffProcessFlag_M_enum	3	3	~
CmMtrCurr_MtrCurr1OffsetZero_Voit_M_f32 2.3681531 2.3681531 ± 0.0003 CmMtrCurr_MtrCurr1SumHi_Voit_M_f32 12546.25 12546.25 ± 0.0003 CmMtrCurr_MtrCurr1SumLo_Voit_M_f32 24310.6895 24310.6895 ± 0.0003 CmMtrCurr_MtrCurr_SumZero_Voit_M_f32 3 3 ± 0.0003 CmMtrCurr_MtrCurr2OffsetHi_Voit_M_f32 3 3 ± 0.0003 CmMtrCurr_MtrCurr2OffsetLo_Voit_M_f32 1.81125057 1.81125057 ± 0.0003 CmMtrCurr_MtrCurr2OffsetZero_Voit_M_f32 2.06366134 2.06366134 ± 0.0003 CmMtrCurr_MtrCurr2SumHi_Voit_M_f32 33134.0195 33134.0195 ± 0.0003 CmMtrCurr_MtrCurr2SumLo_Voit_M_f32 1.2478286 1.2478286 ± 0.0003 CmMtrCurr_MtrCurr2SumZero_Voit_M_f32 3 3 ± 0.0003 CmMtrCurr_MtrCurr2SumZero_Voit_M_f32 3 ± 0.0003 ✓ CmMtrCurr_MtrCurrValCmd_VoitCnt_M_f32 44400.6758 44400.6758 ± 0.001 CmMtrCurr_Per3_ComOffset_Cnt_u16.value 0 0 ± 1 0 tgt_Pim_ShCurrCal.EOLMtrCurrValCmd_VoitCnts_f32 3 3 ± 0.0003 ✓ tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Voits_f32 3 3 ± 0.0003 ✓ tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Voits_f32 2.62237978 2.62237978	CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	3	3 ± 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_MtrCurrYalCmd_VoltCnt_M_f32 3 3 ± 0.0003 CmMtrCurr_VecuSum_Volt_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 tg_Pim_shCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 3 3 ± 0.0003 tgt_Pim_shCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 2.62237978 2.62237978 ± 0.0003 tgt_Pim_shCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 3 3 ± 0.0003	CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	5	5 ± 0.0003	•
CmMtrCurr1SumLo_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 3 44400.6758 ± 0.001 CmMtrCurr_VecuSum_Volt_M_f32 1000.80499 1000.80499 ± 0.0009765625 Vg_CmMtrCurr_Per3_ComOffset_Cnt_u16.value 0 0 ± 1 Vg_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 659.655212 659.655212 ± 0.004 Vg_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 3 3 ± 0.0003 Vg_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 2.62237978 2.62237978 ± 0.0003 Vg_Pim_ShCurrCal.EOLMtrCurr1OffsetDoiff_Volts_f32 3 3 ± 0.0003	CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.3681531	2.3681531 ± 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 3 3±0.0003 CmMtrCurr_VecuSum_Volt_M_f32 1000.80499 1000.80499 ± 0.0009765625 Vg_CmMtrCurr_Per3_ComOffset_Cnt_u16.value 0 0 ± 1 Vg_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 659.655212 659.655212 ± 0.004 Vg_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 3 3±0.0003 Vg_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 2.62237978 2.62237978 ± 0.0003 Vg_Pim_ShCurrCal.EOLMtrCurr1OffsetDo_Volts_f32 3 3±0.0003	CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	12546.25	12546.25 ± 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.EOLMtrCurr1OffsetLo_Volts_f32 2.62237978 2.62237978 ± 0.0003 ✓ tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 3 3±0.0003 ✓	CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	24310.6895	24310.6895 ± 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.EOLMtrCurr1OffsetDol.fyVolts_f32 3 3 ± 0.0003	CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	3	3 ± 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	CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3	3 ± 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	CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	1.81125057	1.81125057 ± 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	CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	2.06366134	2.06366134 ± 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	CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	33134.0195	33134.0195 ± 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.EOLMtrCurr1OffsetLo_Volts_f32 2.62237978 2.62237978 ± 0.0003 ✓ tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 3 3 ± 0.0003 ✓	CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	1.2478286	1.2478286 ± 0.0003	~
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	CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	3	3 ± 0.0003	~
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	CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	44400.6758	44400.6758 ± 0.001	~
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 659.655212 659.655212 ± 0.004 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 3 ± 0.0003 3 ± 0.0003 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 2.62237978 2.62237978 ± 0.0003 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 3 ± 0.0003 3 ± 0.0003	CmMtrCurr_VecuSum_Volt_M_f32	1000.80499	1000.80499 ± 0.0009765625	✓
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_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	~
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.EOLMtrCurrVcalCmd_VoltCnts_f32	659.655212	659.655212 ± 0.004	~
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32 3 ± 0.0003	tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3	3 ± 0.0003	~
<u> </u>	tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.62237978	2.62237978 ± 0.0003	~
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 1.62126434 1.62126434 1.62126434 ± 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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	~

Test Step 2.71 (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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- Chilinti Gan_i etc			1-1-1-10-10
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			
k_CurrOffNoofAvg_Cnt_u16	tgt_Rte_Inst_Sa_CmMtrCurr 357		
k_MaxCurrOffMtrVel_RadpS_f32	7.43185806		
k_MtrCurrEOLMaxOffset_Volts_f32	2.60659194		
	1.60813093		
k_MtrCurrEOLMinOffset_Volts_f32	1300		
k_MtrCurrOffLoComOff_Cnt_u16	0.322858572		
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value			
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_ADCMtrCurr		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_0	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrR		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kpl		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_	_Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Resul
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	100	100 ± 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	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	
	_		

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					-0
Actual Function	Count	Expected Function		Count	Result

 $Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached$

2.75711107

66466.9297

1011.935

10412.2559

2.08674288

3 ± 0.0003

0 ± 1

2.75711107 ± 0.0003

66466.9297 ± 0.001

10412.2559 ± 0.004

2.08674288 ± 0.0003

1011.935 ± 0.0009765625

 $Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached$

CmMtrCurr_MtrCurr2SumLo_Volt_M_f32

CmMtrCurr_VecuSum_Volt_M_f32

 $CmMtrCurr_MtrCurr2SumZero_Volt_M_f32$

CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32

tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value

 $tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32$

tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32





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	-1 Valta #22	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCur		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ADCMtrCur tgt CmMtrCurr Per3 ComOffset		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrF tgt_CmMtrCurr_Per3_Vecu_Volt_t		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32	tgt_CmMtrCurr_Per3_VehSpd_Kp		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal	_on_ige	
Name	Actual Value	Exported Value	Pocult
CmMtrCurr CurrOffAvgCounter Cnt M u16	500	Expected Value 500 ± 1	Result
CmMtrCurr CurrOffState Uls M enum	CURROFF INTIALISE	CURROFF INTIALISE	~
CmMtrCurr CurrOffTrimFlag Cnt M Igc	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	



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	Innut Value		
	Input Value		
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr CurrOffState Uls M enum	1000 CURROFF CALC		
CmMtrCurr_CurrOffState_Ois_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1		
	3		
CmMtrCurr_CurroffProcessFlag_M_enum	1.78968191		
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	3		
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	3		
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr MtrCurr1SumHi Volt M f32			
CmMtrCurr MtrCurr1SumLo Volt M f32	1.74427593 33134.0195		
	32.4949989		
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	2.13578081		
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 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 50195.6016		
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32			
CmMtrCurr_VecuSum_Volt_M_f32	1034.19495		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
CurrOffNoofAvg_Cnt_u16	369		
x_MaxCurrOffMtrVel_RadpS_f32	3.21255112		
_MtrCurrEOLMaxOffset_Volts_f32	1.80947685		
_MtrCurrEOLMinOffset_Volts_f32	2.55062389		
MtrCurrOffLoComOff_Cnt_u16	1400		
gt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	3		
gt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	0.893047094		
gt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	3		
gt_CmMtrCurr_Per3_Vecu_Volt_f32.value	31		
gt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	1.42093004e-008		
gt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	1		
gt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	24752.502		
gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.42258453		
gt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.98788738		
gt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.54850125		
gt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_	-	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrF	· -	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_t		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kp		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid	_Cnt_lgc	
gt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Resi
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	
		3 ± 0.0003	
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	3	0 = 0.0000	
	2.69017243	2.69017243 ± 0.0003	
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32			

2.5924716

1.08553576

50195.6016

1034.19495

0

 $tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value$

 $CmMtrCurr_MtrCurr2SumLo_Volt_M_f32$

CmMtrCurr_VecuSum_Volt_M_f32

CmMtrCurr_MtrCurr2SumZero_Volt_M_f32

CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32

2.5924716 ± 0.0003

1.08553576 ± 0.0003

1034.19495 ± 0.0009765625

50195.6016 ± 0.001

0 ± 1





Name	Actual Value	Expected Value	Result
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	24752.502	24752.502 ± 0.004	~
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.42258453	2.42258453 ± 0.0003	~
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	✓

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	✓

Test Step 2.74 (Repeat Count = 1)				✓
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_ADCMtr			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtr	Curr2_Volts_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOff			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_V	_		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd	- · -		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdV	alid_Cnt_lgc		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal			
Name	Actual Value	Expected Va	alue	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	1500	1500 ± 1		✓

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	✓





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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	~

Name	Input Value		
CmMtrCurr CurrOffAvgCounter Cnt M u16	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		
<pre><_MtrCurrEOLMinOffset_Volts_f32</pre>	3		
<_MtrCurrOffLoComOff_Cnt_u16	1500		
gt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	3		
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	1.45383477		
gt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	19		
gt_CmMtrCurr_Per3_Vecu_Volt_f32.value	21.1691227		
gt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	1.12093002e-008		
gt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	1		
gt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	43754.7461		
gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.6402266		
gt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3		
gt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3		
gt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.29639792		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCur	r1_Volts_f32	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCur	r2_Volts_f32	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_	_Cnt_u16	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_Mtr	RadpS_f32	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_	f32	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kp	bh_f32	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid	I_Cnt_lgc	
gt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Resu
CmMtrCurr CurrOffAvaCountar Ont M u16	2000	2000 + 1	

Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	2000	2000 ± 1	•
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	✓
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	✓





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_	<u>f</u> 32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f3	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	2500	2500 ± 1	✓

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CmMtrCurr_Per3

Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	~
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	~
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	5	5 ± 0.0003	~
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	3	3 ± 0.0003	~
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		~
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	6346.29541	6346.29541 ± 0.001	~





Name	Input Value		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kp	h_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid	_Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	3000	3000 ± 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	2.56800008	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

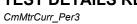




Name	Input Value				
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3				
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	3				
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32				
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr	2_Volts_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_0	Cnt_u16			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrR	adpS_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f:	32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kpl	1_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_	_Cnt_lgc			
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal				
Name	Actual Value	Expected Value	Result		
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	3500	3500 ± 1	~		
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	•		
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	•		
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓		
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





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_ADCMtrCurr	1_Volts_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr	2_Volts_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_0	Cnt_u16		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrR	tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f	32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kpl	1_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_	_Cnt_lgc		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	4000	4000 ± 1	•	
CmMtrCurr CurrOffState UIs M enum	CURROFF INTIALISE	CURROFF INTIALISE	•	

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Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	4000	4000 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✓
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	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	✓

Τ					
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	2.0999999	
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.77936649	
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.69485998	
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	32.4949989	
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	3	
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	188.315002	
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	40529.3281	
CmMtrCurr_VecuSum_Volt_M_f32	1112.10498	
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	
k_CurrOffNoofAvg_Cnt_u16	32	
k_MaxCurrOffMtrVel_RadpS_f32	16.6868706	

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

tgt_rtte_inst_oa_oniwiroun:ini_onounoai	tgt_i iii_oilodiiodi		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	4500	4500 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✓
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	2.57089233	2.57089233 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	1.04547274	1.04547274 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.68251061	2.68251061 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	110.404999	110.404999 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	54.7550011	54.7550011 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	30192.9102	30192.9102 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	2.0999999	2.0999999 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.77936649	2.77936649 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1.69485998	1.69485998 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	32.4949989	32.4949989 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	188.315002	188.315002 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	40529.3281	40529.3281 ± 0.001	✓
CmMtrCurr_VecuSum_Volt_M_f32	1112.10498	1112.10498 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	✓
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	14487.7334	14487.7334 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.96119714	2.96119714 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.35539818	2.35539818 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3	3 ± 0.0003	~
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.05737138	1.05737138 ± 0.0003	✓

Τ				✓
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	





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	1_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2	2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_C	Cnt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	adpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph	_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_	Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	5000	5000 ± 1	•
CmMtrCurr CurrOffState Uls M enum	CURROFF INTIALISE	CURROFF INTIALISE	•

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Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	5000	5000 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	•
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	•
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	1.35347366	1.35347366 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	121.535004	121.535004 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	65.8850021	65.8850021 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	33134.0195	33134.0195 ± 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	3.75889993	3.75889993 ± 0.0003	•
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	43.625	43.625 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	12546.25	12546.25 ± 0.0003	•
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	199.445007	199.445007 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	0	0 ± 0.001	•
CmMtrCurr_VecuSum_Volt_M_f32	1123.23499	1123.23499 ± 0.0009765625	•
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	1.5	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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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	~

est Step 2.82 (Repeat Count = 1)		✓
Name	Input Value	
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	5500	
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_CALC	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1	
CmMtrCurr_CurroffProcessFlag_M_enum	3	
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	2.9000001	
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	1.5	
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1.7515341	
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	132.664993	

CmMtrCurr_Per3

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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_ADCMtrCurr	1_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr	2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_0	Cnt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrR	adpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph	n_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_	Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	5500	5500 ± 1	
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF INTIALISE	-
CmMtrCurr CurrOffTrimFlag Cnt M lgc	0	0	_
CmMtrCurr CurroffProcessFlag M enum	2	2	✓
CmMtrCurr MtrCurr1OffsetHi Volt M f32	2.9000001	2.9000001 ± 0.0003	_
CmMtrCurr MtrCurr1OffsetLo Volt M f32	1.5	1.5 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	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	
SIIIIII SUIT_VOODOUIIT_VOIT_IVE_IOE	1101.00100	1104.00400 ± 0.0000103020	

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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_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	~

80000

1.5

1.5

1.4000001

1.4000001

80000 ± 0.004 1.5 ± 0.0003

1.5 ± 0.0003 1.39999998 ± 0.0003

1.39999998 ± 0.0003

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

tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32

 $tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32$

tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32

 $tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32\\ tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32\\$





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 32658.5		
CmMtrCurr_MtrCurr_ValCmd_VoltCnt_M_f32	1145.495		
CmMtrCurr_VecuSum_Volt_M_f32			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrOffNoofAvg_Cnt_u16 k MaxCurrOffMtrVel RadpS f32	15 17.4113503		
	3		
k_MtrCurrEOLMaxOffset_Volts_f32 k_MtrCurrEOLMinOffset_Volts_f32	1.41879892		
k_MtrCurrOffLoComOff Cnt u16	1.41879892		
- -	2.24416041		
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value 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_Ver13pd_Npir_13s.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_ADCMtrCurr	1 Volts f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrF	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kp		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt CmMtrCurr Per3 VhSpdValid		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Resu
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	6000	6000 ± 1	
CmMtrCurr CurrOffState Uls M enum	CURROFF INTIALISE	CURROFF INTIALISE	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	
CmMtrCurr_CurroffProcessFlag_M_enum	2	2	
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	2.9000001	2.9000001 ± 0.0003	
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	1.5	1.5 ± 0.0003	
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.13700366	2.13700366 ± 0.0003	
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	143.794998	143.794998 ± 0.0003	
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	88.1449966	88.1449966 ± 0.0003	
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	39016.2383	39016.2383 ± 0.0003	
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	2.9000001	2.9000001 ± 0.0003	
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	1.5	1.5 ± 0.0003	
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3	3 ± 0.0003	
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	65.8850021	65.8850021 ± 0.0003	
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	18428.4707	18428.4707 ± 0.0003	
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	221.705002	221.705002 ± 0.0003	
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	32658.5	32658.5 ± 0.001	
CmMtrCurr_VecuSum_Volt_M_f32	1145.495	1145.495 ± 0.0009765625	
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	
+++ Pi 01-00-1 FOLM+0	32658.5	32658.5 ± 0.004	
tgt_Pim_Sncurrcai.eolimtrcurrvcaicmd_VoltCnts_f32		1.5 ± 0.0003	
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.5	1.0 ± 0.0000	l l
	1.5 1.5	1.5 ± 0.0003	
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32			



Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	~
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 UIs M enum	CURROFF INTIALISE		
CmMtrCurr CurrOffTrimFlag Cnt M lgc	1		
CmMtrCurr CurroffProcessFlag M enum	3		
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	4.19999981		
CmMtrCurr MtrCurr1OffsetLo Volt M f32	4.0999999		
CmMtrCurr MtrCurr1OffsetZero Volt M f32	2.804142		
CmMtrCurr MtrCurr1SumHi Volt M f32	154.925003		
CmMtrCurr MtrCurr1SumLo Volt M f32	99.2750015		
CmMtrCurr MtrCurr1SumZero Volt M f32	41957.3516		
CmMtrCurr MtrCurr2OffsetHi Volt M f32	2.42372727		
CmMtrCurr MtrCurr2OffsetLo Volt M f32	2.14313006		
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	4.52099991		
CmMtrCurr MtrCurr2SumHi Volt M f32	33134.0195		
CmMtrCurr MtrCurr2SumLo Volt M f32	21369.5801		
CmMtrCurr MtrCurr2SumZero Volt M f32	232.835007		
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	47836.1094		
CmMtrCurr VecuSum Volt M f32	1156.625		
Rte_Inst_Sa_CmMtrCurr k CurrOffNoofAvg Cnt u16	tgt_Rte_Inst_Sa_CmMtrCurr 35		
	-17.8156967		
k_MaxCurrOffMtrVel_RadpS_f32 k_MtrCurrEOLMaxOffset_Volts_f32	3		
	1.65248311		
k_MtrCurrEOLMinOffset_Volts_f32 k MtrCurrOffLoComOff Cnt u16	1500		
	2.77794123		
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	3		
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value			
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	V II (90	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr1_		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2_		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_Cr	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRad		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_C	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_INTIALISE	CURROFF_INTIALISE	~
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	~

Actual Value	Expected Value	Result
6500	6500 ± 1	~
CURROFF_INTIALISE	CURROFF_INTIALISE	~
0	0	~
3	3	~
4.19999981	4.19999981 ± 0.0003	~
4.0999999	4.0999999 ± 0.0003	~
2.804142	2.804142 ± 0.0003	~
154.925003	154.925003 ± 0.0003	~
99.2750015	99.2750015 ± 0.0003	~
41957.3516	41957.3516 ± 0.0003	•
2.42372727	2.42372727 ± 0.0003	~
2.14313006	2.14313006 ± 0.0003	•
4.52099991	4.52099991 ± 0.0003	~
33134.0195	33134.0195 ± 0.0003	~
21369.5801	21369.5801 ± 0.0003	~
232.835007	232.835007 ± 0.0003	~
47836.1094	47836.1094 ± 0.001	-
1156.625	1156.625 ± 0.0009765625	~
	6500 CURROFF_INTIALISE 0 3 4.19999981 4.0999999 2.804142 154.925003 99.2750015 41957.3516 2.42372727 2.14313006 4.52099991 33134.0195 21369.5801 232.835007 47836.1094	6500 6500 ± 1 CURROFF_INTIALISE 0 0 0 3 4.19999981 4.19999981 ± 0.0003 4.0999999 4.0999999 ± 0.0003 2.804142 2.804142 ± 0.0003 154.925003 154.925003 ± 0.0003 99.2750015 99.2750015 ± 0.0003 41957.3516 41957.3516 ± 0.0003 2.42372727 2.42372727 ± 0.0003 2.14313006 2.14313006 ± 0.0003 4.52099991 4.52099991 ± 0.0003 33134.0195 33134.0195 ± 0.0003 232.835007 232.835007 ± 0.0003 47836.1094 47836.1094 ± 0.001





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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	•
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	•

Test Step 2.85 (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		
CmMtrCurr1SumHi Volt M f32	166.054993		
CmMtrCurr1SumLo_Volt_M_f32	110.404999		
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	44898.4609		
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	2.09375167		
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.94488144		
CmMtrCurr MtrCurr2OffsetZero Volt M f32	4.0999999		
CmMtrCurr MtrCurr2SumHi Volt M f32	36075.1289		
CmMtrCurr MtrCurr2SumLo Volt M f32	24310.6895		
CmMtrCurr MtrCurr2SumZero Volt M f32	243.964996		
CmMtrCurr MtrCurrValCmd VoltCnt M f32	33845.8906		
CmMtrCurr_VecuSum_Volt_M_f32	1167.755		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k CurrOffNoofAvg Cnt u16	45		
k_MaxCurrOffMtrVel_RadpS_f32	4.52163124		
k_MtrCurrEOLMaxOffset_Volts_f32	3		
k_MtrCurrEOLMinOffset_Volts_f32	1.36244023		
k_MtrCurrOffLoComOff_Cnt_u16	569		
tgt CmMtrCurr Per3 ADCMtrCurr1 Volts f32.value	3		
tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32.value	0.810473204		
tgt CmMtrCurr Per3 MtrVel MtrRadpS f32.value	744.84552		
tgt CmMtrCurr Per3 Vecu Volt f32.value	15.7255764		
	119.040482		
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	0		
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	80000		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32			
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	4 1/-14- 500	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrR		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kpl		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_	_Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	7000	7000 ± 1	~
CmMtrCurr CurrOffState Ille M onum	CLIDDOEE INTIALISE	CLIDDOEE INITIALISE	-

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





Name	Actual Value	Expected Value	Result
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	4.0999999	4.0999999 ± 0.0003	~
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	36075.1289	36075.1289 ± 0.0003	✓
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	24310.6895	24310.6895 ± 0.0003	•
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	243.964996	243.964996 ± 0.0003	✓
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	33845.8906	33845.8906 ± 0.001	•
CmMtrCurr_VecuSum_Volt_M_f32	1167.755	1167.755 ± 0.0009765625	✓
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0	0 ± 1	•
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	80000	80000 ± 0.004	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.19611669	2.19611669 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.60853982	2.60853982 ± 0.0003	✓
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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	~

Name	Input Value		
CmMtrCurr CurrOffAvgCounter Cnt M u16	6598		
CmMtrCurr CurrOffState Uls M enum	CURROFF CALC		
CmMtrCurr CurrOffTrimFlag Cnt M Igc	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		
CurrOffNoofAvg Cnt u16	65		
 :_MaxCurrOffMtrVel_RadpS_f32	0.478582621		
c_MtrCurrEOLMaxOffset_Volts_f32	2.5685184		
MtrCurrEOLMinOffset Volts f32	2.90548134		
MtrCurrOffLoComOff Cnt u16	587		
gt CmMtrCurr Per3 ADCMtrCurr1 Volts f32.value	3		
gt CmMtrCurr Per3 ADCMtrCurr2 Volts f32.value	3		
gt CmMtrCurr Per3 MtrVel MtrRadpS f32.value	811.331848		
gt CmMtrCurr Per3 Vecu Volt f32.value	19.2174759		
gt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	8.20184326		
gt CmMtrCurr Per3 VhSpdValid Cnt Igc.value	0		
gt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	23393.5		
gt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32	2.60464764		
gt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3		
gt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3		
gt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32	3		
gt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr1 Volts f32	tgt CmMtrCurr Per3 ADCMtrCurr1 Volts 1	32	
gt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32	tgt CmMtrCurr Per3 ADCMtrCurr2 Volts 1		
gt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16	tgt CmMtrCurr Per3 ComOffset Cnt u16	·	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	2	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
gt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32	tgt CmMtrCurr Per3 VehSpd Kph f32		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc		
gt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Resu
taille	Actual Value	Expected value	Resu

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Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	6598	6598 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	~
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_CurroffProcessFlag_M_enum	1	1	~
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	4.4000001	4.4000001 ± 0.0003	~
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	4.30000019	4.30000019 ± 0.0003	~

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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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	~





Test Step 2.87 (Repeat Count = 1)			✓
Name	Input Value		
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	156		
CmMtrCurr CurrOffState UIs 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	32.	
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		
(goououououou	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		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_C		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	_	
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 Vecu Volt f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3.		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_(
tgt Rte Inst Sa CmMtrCurr.Pim ShCurrCal	tgt_Pim_ShCurrCal	Sit_ige	
		From a stand Walton	D k
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	156	156 ± 1	•
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	•
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	•
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	•
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	4.5	4.5 ± 0.0003	•
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	4.25479984	4.25479984 ± 0.0003	•
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1.78107488	1.78107488 ± 0.0003	•
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	188.315002	188.315002 ± 0.0003	~
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	132.664993	132.664993 ± 0.0003	•



Τ				✓
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	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			
<pre>MtrCurrEOLMinOffset_Volts_f32</pre>	2.75741673			
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_ADCMtrCurr	1 Volts f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt CmMtrCurr Per3 ComOffset			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt CmMtrCurr Per3 MtrVel MtrF	-		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f	· -		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VerbSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kp			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VeriSpd_kpri_is2 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc				
	tgt_CmMtrCurr_Per3_VhSpdValid_	_CHL_igc		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal	Formation d. M. C.		
Name	Actual Value	Expected Value	Resu	
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	324	324 ± 1		
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE		
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0		
CmMtrCurr_CurroffProcessFlag_M_enum	2	2		
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	1.96751535	1.96751535 ± 0.0003		
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	4.65889978	4.65889978 ± 0.0003		
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.08536386	2.08536386 ± 0.0003		
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	199.445007	199.445007 ± 0.0003		
014-0 14-01 - V-4-14-14-600	143.794998	143.794998 ± 0.0003		
CMINITICUTT_INTTCUTT1SUMLO_VOIT_M_T32		101 505001 : 0 0000		
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	121.535004	121.535004 ± 0.0003		
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	121.535004 1.11344814	121.535004 ± 0.0003 1.11344814 ± 0.0003		
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32				
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1.11344814	1.11344814 ± 0.0003		

121.535004

33134.0195

277.355011

79444.0391

1201.14502

CmMtrCurr_MtrCurr2SumHi_Volt_M_f32

 $CmMtrCurr_MtrCurr2SumLo_Volt_M_f32$

CmMtrCurr_VecuSum_Volt_M_f32

CmMtrCurr_MtrCurr2SumZero_Volt_M_f32

 $CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32$

121.535004 ± 0.0003

33134.0195 ± 0.0003

277.355011 ± 0.0003

1201.14502 ± 0.0009765625

79444.0391 ± 0.001

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	~

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	✓

Test Step 2.89 (Repeat Count = 1)			✓	
Name	Input Value			
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	852			
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE			
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0			
CmMtrCurr_CurroffProcessFlag_M_enum	3			
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	3			
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	4.21400023			
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1.85310507			
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	210.574997			
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	154.925003			
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	132.664993			
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1.04485273			
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.13700366			
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	4.5			
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	132.664993			
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	36075.1289			
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	288.484985			
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	29199.0156			
CmMtrCurr_VecuSum_Volt_M_f32	1212.27502			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
k_CurrOffNoofAvg_Cnt_u16	200			
k_MaxCurrOffMtrVel_RadpS_f32	14.0580149			
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 2.0999999			
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.69777119			
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 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_f3	22		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32	tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f3			
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16	tgt CmMtrCurr Per3 ComOffset Cnt u16	-		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32			
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc			
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt Pim ShCurrCal			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	852	852 ± 1	~	

Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	852	852 ± 1	✓
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✓
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	4.21400023	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	✓





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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	~

Test Step 2.90 (Repeat Count = 1) Name	Input Value		
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	789		
CmMtrCurr CurrOffState Uls M enum	CURROFF HIAVERAGE		
CmMtrCurr CurrOffTrimFlag Cnt M Igc	0		
CmMtrCurr_CurroffProcessFlag_M_enum	0		
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	3		
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	3		
CmMtrCurr MtrCurr1OffsetZero Volt M f32	1.31556726		
CmMtrCurr MtrCurr1SumHi Volt M f32	2.01227355		
CmMtrCurr MtrCurr1SumLo Volt M f32	166.054993		
CmMtrCurr MtrCurr1SumZero Volt M f32	143.794998		
CmMtrCurr MtrCurr2OffsetHi Volt M f32	2.53732085		
CmMtrCurr MtrCurr2OffsetLo Volt M f32	2.804142		
CmMtrCurr MtrCurr2OffsetZero Volt M f32	4.5999999		
CmMtrCurr MtrCurr2SumHi Volt M f32	4.5999999		
	39016.2383		
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	299.61499		
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32			
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	55220.6094 1223.40503		
CmMtrCurr_VecuSum_Volt_M_f32			
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		
gt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	39.2272949		
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	1		
gt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	22414.6309		
gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3		
gt_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_ADCMtrC		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrC	urr2_Volts_f32	
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffse		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_M		
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Vol	t_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_I	Cph_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdVal	lid_Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Resi
CmMtrCurr CurrOffAvgCounter Cnt M u16	789	789 ± 1	

Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	789	789 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✓
CmMtrCurr_CurroffProcessFlag_M_enum	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	~





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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	✓

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





Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	~
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	~
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	4.19999981	4.19999981 ± 0.0003	~
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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	-

Nama	Innut Value
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
c_CurrOffNoofAvg_Cnt_u16	201
<pre>c_MaxCurrOffMtrVel_RadpS_f32</pre>	3.81855488
	1.37243581
MtrCurrEOLMinOffset Volts f32	3
MtrCurrOffLoComOff Cnt u16	580
gt CmMtrCurr Per3 ADCMtrCurr1 Volts f32.value	2.00981569
gt CmMtrCurr Per3 ADCMtrCurr2 Volts f32.value	0.478176117
gt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	-720.601807
gt_CmMtrCurr_Per3_Vecu_Volt_f32.value	8.00868893
gt CmMtrCurr Per3 VehSpd Kph f32.value	96.1022034
gt CmMtrCurr Per3 VhSpdValid Cnt lgc.value	0
gt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32	10008.6699
gt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3
gt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32	2.0999999
gt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32	2.74733996
gt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32	2.06780672
gt_rin_5ncurrear.EoEwideun2onseibin_voits_i32 gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Voits_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32
gt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16	tgt CmMtrCurr Per3 ComOffset Cnt u16
gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOriset_Crit_u10 gt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32





Name	Input Value				
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_t	f32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kp	tgt_CmMtrCurr_Per3_VehSpd_Kph_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc			
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal				
Name	Actual Value	Expected Value	Result		
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	456	456 ± 1	~		
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	~		
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~		
CmMtrCurr_CurroffProcessFlag_M_enum	2	2	~		
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	4.30000019	4.30000019 ± 0.0003	•		
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	1.03742397	1.03742397 ± 0.0003	•		
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2.07563138	2.07563138 ± 0.0003	~		
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	2.45438623	2.45438623 ± 0.0003	~		
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	15487.3604	15487.3604 ± 0.0003	~		
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	166.054993	166.054993 ± 0.0003	~		
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	2.29236197	2.29236197 ± 0.0003	✓		
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	2.0999999	2.0999999 ± 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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	•

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

 $tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32$



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_C	Cnt_u16			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	adpS_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3	32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph	_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_	Cnt_lgc			
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal				
Name	Actual Value	Expected Value	Result		
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	987	987 ± 1	~		
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	~		
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~		
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓		
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	4.4000001	4.4000001 ± 0.0003	~		
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	1.80502975	1.80502975 ± 0.0003	✓		
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2	2 ± 0.0003	~		
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	3	3 ± 0.0003	✓		
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	~		

Τ				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	✓

1.12464821

1.12464821 ± 0.0003

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

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

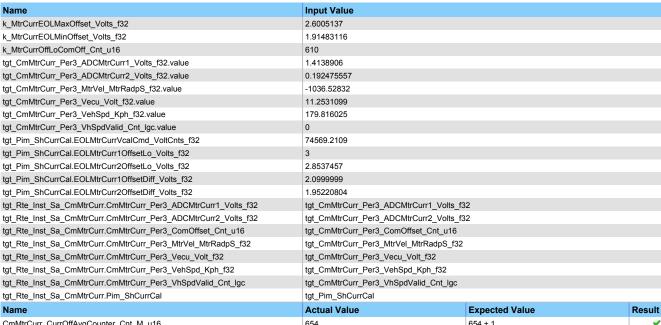
tgt_Rte_inst_5a_ChiwitCurt.Plin_ShCurtCal	tgt_Pim_Shcurical		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	123	123 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	~
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	~
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	4.5	4.5 ± 0.0003	~
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	4.98750019	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	•

Τ				✓
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	

CmMtrCurr_Per3





tgt_Rte_inst_3a_ChilwitiCuri.Filin_ShCuriCar	tgt_riii_Silcuitcai		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	654	654 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✓
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	3	3 ± 0.0003	~
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	✓

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	✓

Test Step 2.96 (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	





Name	Input Value			
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	2.07448936	2.07448936		
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	42221.3203	42221.3203		
CmMtrCurr_VecuSum_Volt_M_f32	1290.18506			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrOffNoofAvg_Cnt_u16	965	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	2294.66455		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.19391191	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_C	nt_u16		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	adpS_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3	2		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f32			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_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 INTIALISE	CURROFF INTIALISE	•	

tgt_Rte_inst_3a_ChilwitCurr.Filin_ShCurrCal	tgt_Fiiit_Sileureai		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	789	789 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	~
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	~
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	2.89549541	2.89549541 ± 0.0003	~
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	3	3 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	2	2 ± 0.0003	~
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	2.40884519	2.40884519 ± 0.0003	~
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_INTIALISE	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1	
CmMtrCurr_CurroffProcessFlag_M_enum	1	
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	2.84897995	
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	2.87566257	
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	3	
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	1.98715258	
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	30192.9102	

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CmMtrCurr_Per3

			TOILCIUM
Name	Input Value		
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	3		
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3		
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.69362235		
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3.32500005		
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	2.51541853		
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	188.315002		
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	3		
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	48405.0742		
CmMtrCurr_VecuSum_Volt_M_f32	1301.31494		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrOffNoofAvg_Cnt_u16	425		
k_MaxCurrOffMtrVel_RadpS_f32	-14.1836586		
k_MtrCurrEOLMaxOffset_Volts_f32	1.92762423		
k_MtrCurrEOLMinOffset_Volts_f32	1.8978399		
k_MtrCurrOffLoComOff_Cnt_u16	630		
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	1.07892632		
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	2.13208938		
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	154.766327		
tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	27.8470592		
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	107.744522		
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	0		
tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32	55517.6172		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.69640589		
tgt Pim ShCurrCal.EOLMtrCurr2OffsetLo Volts f32	2.25554037		
tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32	2.41780448		
tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32	3		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr	r1 Volts f32	
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32	tgt CmMtrCurr Per3 ADCMtrCurr		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16	tgt CmMtrCurr Per3 ComOffset	Cnt u16	
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32	tgt CmMtrCurr Per3 MtrVel MtrF	RadpS f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_t	ri32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kp		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Resu
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	258	258 ± 1	
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF INTIALISE	CURROFF_INTIALISE	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	
CmMtrCurr CurroffProcessFlag M enum	3	3	
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	2.84897995	2.84897995 ± 0.0003	
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	2.87566257	2.87566257 ± 0.0003	
CmMtrCurr MtrCurr1OffsetZero Volt M f32	3	3 ± 0.0003	
	1.98715258	1.98715258 ± 0.0003	
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32			
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	30192.9102 3	30192.9102 ± 0.0003	
CmMtrCurr_MtrCurr2OffootHi, Volt_M_f32		3 ± 0.0003 3 ± 0.0003	
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3		
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.69362235	2.69362235 ± 0.0003	
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3.32500005	3.32500005 ± 0.0003	•
CmMtrCurr MtrCurr2SumHi Volt M f32	2.51541853	2.51541853 ± 0.0003	•

CmMtrCurr_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	2.0999999		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr1 Volts f32	tgt CmMtrCurr Per3 ADCMtrCurr	1 Volts f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_0		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrR	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Resul
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	963	963 ± 1	Iteau
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF INTIALISE	CURROFF INTIALISE	
CmMtrCurr CurrOffTrimFlag Cnt M lgc	0	0	
	2	2	
CmMtrCurr_CurroffProcessFlag_M_enum CmMtrCurr MtrCurr1OffsetHi Volt M f32	1.54913402	1.54913402 ± 0.0003	
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	1.94442797	1.94442797 ± 0.0003	
	1.94442797	1.94442797 ± 0.0003	
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr MtrCurr1SumHi Volt M f32	3		
CmMtrCurr MtrCurr1Sumin_Voit_im_i32 CmMtrCurr MtrCurr1SumLo Voit M f32		3 ± 0.0003 33134.0195 ± 0.0003	
	33134.0195		
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	•

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	✓

2.06366134

1.73499858

74986.2109

7.39995432

61646.7266

1.27882886

1.48694754

2.0999999

3

2.06366134 ± 0.0003

1.73499858 ± 0.0003

74986.2109 ± 0.001

61646.7266 ± 0.004

1.27882886 ± 0.0003

 1.48694754 ± 0.0003

2.0999999 ± 0.0003

7.39995432 ± 0.0009765625

3 ± 0.0003

 3 ± 0.0003

3 ± 0.0003

0 ± 1

CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32

 $CmMtrCurr_MtrCurr2SumHi_Volt_M_f32$ CmMtrCurr_MtrCurr2SumLo_Volt_M_f32

 $CmMtrCurr_MtrCurr2SumZero_Volt_M_f32$

CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32

tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value

 $tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32$

tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32

tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32

 $tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32$

tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32

CmMtrCurr_VecuSum_Volt_M_f32



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 CmMtrCurr MtrCurr1OffsetZero Volt M f32	4.5999999 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 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	2.23846722 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 tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	1.91991305 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	N. W. 700	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr1_	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ADCMtrCurr2_ tgt_CmMtrCurr_Per3_ComOffset_Cn		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt CmMtrCurr Per3 MtrVel MtrRad	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32	· -	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_	f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_C	nt_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	V
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc 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	V
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr MtrCurr2SumHi Volt M f32	1.31556726 18.1694183	1.31556726 ± 0.0003 18.1694202 ± 0.0003	· ·
CmMtrCurr_MtrCurr2SumHi_voit_iM_f32 CmMtrCurr_MtrCurr2SumLo_voit_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	✓
	4000	4000 ± 1	~
tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value			
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	6889.93945	6889.93945 ± 0.004	~
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.373541	1.373541 ± 0.0003	,
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.373541 2.74678731	1.373541 ± 0.0003 2.74678731 ± 0.0003	~
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.373541	1.373541 ± 0.0003	***





Τ				✓
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_ADCMtrCurr	1 Volts f32	
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt CmMtrCurr Per3 ComOffset C		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRi	-	
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 Vecu Volt f32	tgt CmMtrCurr Per3 Vecu Volt f3		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt CmMtrCurr Per3 VehSpd Kph		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VhSpdValid Cnt Igc	tgt CmMtrCurr Per3 VhSpdValid	_	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal	.cm_igc	
		Formanda d Walter	l n
Name	Actual Value	Expected Value	Resu
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	•
		3 ± 0.0003	
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	3		
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	54.7550011	54.7550011 ± 0.0003	•

4.5

2.69362235

9.20087242

99.2750015

143.794998

52238.7539

673.361389

4000

4.5 ± 0.0003

4000 ± 1

2.69362235 ± 0.0003

9.20087242 ± 0.0003

99.2750015 ± 0.0003 143.794998 ± 0.0003

 52238.7539 ± 0.001

673.361389 ± 0.0009765625

 $CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32$

 $CmMtrCurr_MtrCurr2SumHi_Volt_M_f32$

CmMtrCurr_MtrCurr2SumLo_Volt_M_f32

CmMtrCurr_VecuSum_Volt_M_f32

 $CmMtrCurr_MtrCurr2SumZero_Volt_M_f32$

 $CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32$

CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32

CmMtrCurr_Per3



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

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte Call CmMtrCurr Per3 CP1 CheckpointReached	1	Rte Call CmMtrCurr Per3 CP1 CheckpointReached	1	✓

Test Step 2.101 (Repeat Count = 1)			✓
Name	Input Value		
CmMtrCurr CurrOffAvgCounter Cnt M u16	63		
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_HIAVERAGE		
CmMtrCurr CurrOffTrimFlag Cnt M Igc	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_f3	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f3	32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	64	64 ± 1	~
Contitue Current Court Off Chate I II a M. annum	CLIBBOEE HIAVERACE	CURROLE LIMAVERACE	

Actual Value	Expected Value	Result
64	64 ± 1	~
CURROFF_HIAVERAGE	CURROFF_HIAVERAGE	~
1	1	~
1	1	~
2.47964859	2.47964859 ± 0.0003	~
2.79071116	2.79071116 ± 0.0003	~
2.79071116	2.79071116 ± 0.0003	~
257.990479	257.990448 ± 0.0003	~
2.9184866	2.9184866 ± 0.0003	~
65.8850021	65.8850021 ± 0.0003	~
2.0520041	2.0520041 ± 0.0003	~
4.5999999	4.5999999 ± 0.0003	~
2.07563138	2.07563138 ± 0.0003	~
	64 CURROFF_HIAVERAGE 1 1 2.47964859 2.79071116 2.79071116 257.990479 2.9184866 65.8850021 2.0520041 4.5999999	64 64 ± 1 CURROFF_HIAVERAGE 1 1 1 2.47964859 2.47964859 ± 0.0003 2.79071116 2.79071116 ± 0.0003 2.79071116 2.79071116 ± 0.0003 2.7907479 257.990448 ± 0.0003 2.9184866 2.9184866 ± 0.0003 65.8850021 65.8850021 ± 0.0003 2.0520041 2.0520041 ± 0.0003 4.5999999 4.5999999 ± 0.0003

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_ADCMtr	Curr1_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtr	Curr2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOff	set_Cnt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_V	olt_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpc	_Kph_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpd\	/alid_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	, 100an
	·		

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	~





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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	✓

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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 Igc.value	1		
tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32	18718.8105		
	2.61436653		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.75549197		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.20556092		
	1.20556092		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32		and Malta \$22	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCu		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCu		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32		tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_	-	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_K	· -	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid	d_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	4.6999981	4.69999981 ± 0.0003	•
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	4.6999981	4.69999981 ± 0.0003	•
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	320	320 ± 0.0003	•
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	3	3 ± 0.0003	•
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_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	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	~

Т				
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 1277 Cycles

Description

VECTOR DESCRIPTION:

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

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

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

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Name	Input Value		
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	1		
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	Ī		
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1		
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	1		
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1		
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	1		
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	1		
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	1		
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	0		
CmMtrCurr_VecuSum_Volt_M_f32	243.964996		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrOffNoofAvg_Cnt_u16	1		
k_MaxCurrOffMtrVel_RadpS_f32	-20		
k_MtrCurrEOLMaxOffset_Volts_f32	1		
k_MtrCurrEOLMinOffset_Volts_f32	1		
k_MtrCurrOffLoComOff_Cnt_u16	550		
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	0		
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	0		
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	-1118		
tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	5		
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	0		
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	0		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	0		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr	1_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2	2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_0	Cnt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrR	adpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3	tgt_CmMtrCurr_Per3_Vecu_Volt_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph	tgt_CmMtrCurr_Per3_VehSpd_Kph_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_	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_INTIALISE	CURROFF_INTIALISE	~
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_CurroffProcessFlag_M_enum	0	0	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	1	1 ± 0.0003	~
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	1	1 ± 0.0003	✓
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1	1 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	1	1 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	1	1 ± 0.0003	✓
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	1	1 ± 0.0003	✓
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1	1 ± 0.0003	-
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	1	1 ± 0.0003	•
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1	1 ± 0.0003	_
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	1	1 ± 0.0003	-
		1 ± 0.0003	
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	1		
	1	1 ± 0.0003	▼
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32		1 ± 0.0003 0 ± 0.001	
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	1		-
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32	1 0	0 ± 0.001	•
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	1 0 243.964996	0 ± 0.001 243.964996 ± 0.0009765625 0 ± 1	~
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	1 0 243.964996 0	0 ± 0.001 243.964996 ± 0.0009765625 0 ± 1 0 ± 0.004	~
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1 0 243.964996 0	0 ± 0.001 243.964996 ± 0.0009765625 0 ± 1	, , , , , , , , , , , , , , , , , , ,
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1 0 243.964996 0 0	0 ± 0.001 243.964996 ± 0.0009765625 0 ± 1 0 ± 0.004 1 ± 0.0003	· · · · · · · · · · · · · · · · · · ·

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	•

Test Step 3.2 (Repeat Count = 1)	✓
Name	Input Value
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	2
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_CALC





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 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_MtrCurrCffl aCompOff Code v16	3		
k_MtrCurrOffLoComOff_Cnt_u16	3		
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value 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_ADCMtrCurr		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_ComOffset_0 tgt_CmMtrCurr_Per3_MtrVel_MtrR	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kpt		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal	0	
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	2	2 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	•
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	~
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	3	3 ± 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	Y
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr MtrCurr2OffsetLo Volt M f32	3 3	3 ± 0.0003 3 ± 0.0003	- V
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	~
	3	3 ± 0.0003	✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32			
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3	3 ± 0.0003	✓
			~

T				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	~



Test Step 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 2.77936649		
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	1		
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	3		
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	3		
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	1.35713053		
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1.57947969		
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	2.20168996		
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1		
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	2.40007114		
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	2.39919996		
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	1.50101531		
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	24410.7969		
CmMtrCurr_VecuSum_Volt_M_f32	266.225006		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrOffNoofAvg_Cnt_u16	5		
k_MaxCurrOffMtrVel_RadpS_f32	13.78934		
k_MtrCurrEOLMaxOffset_Volts_f32 k_MtrCurrEOLMinOffset_Volts_f32	2.81365776 1.01982665		
k_MtrCurrOffLoComOff_Cnt_u16	650		
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	0		
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	1.77544999		
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	13		
tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	26.1811924		
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	1.92093008e-008		
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	1		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	79716.3125		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.33796501		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.4327662		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr1		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr2		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_ComOffset_C tgt_CmMtrCurr_Per3_MtrVel_MtrRa	_	
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 Vecu Volt f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3	· -	
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32	tgt_CmMtrCurr_Per3_VehSpd_Kph		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VhSpdValid Cnt Igc	tgt_CmMtrCurr_Per3_VhSpdValid_(
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	V
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1.57947969	1.57947969 ± 0.0003	V
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr MtrCurr2OffsetZero Volt M f32	2.20168996	2.20168996 ± 0.0003 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	✓



Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte Call CmMtrCurr Per3 CP1 CheckpointReached	1	Rte Call CmMtrCurr Per3 CP1 CheckpointReached	1	✓

Input Value		
4		
CURROFF_ZEROAVERAGE		
1		
3		
3		
2.46805692		
2		
2.46084809		
1.86561072		
3		
3		
2.85745907		
2		
2.35386825		
2.47220445		
3		
27914.8262		
277.355011		
tgt_Rte_Inst_Sa_CmMtrCurr		
32		
15		
1.39142871		
2.28647137		
700		
3		
1.09178734		
14		
6.35709572		
3		
	Volts f32	
	_	
	_	
	F-2	
	32	
	90	
	Expected Value	Poor
	· · · · · · · · · · · · · · · · · · ·	Resu
_	_	
3	3 ± 0.0003	
2.46805692	2.46805692 ± 0.0003	
2.46805692 2	2 ± 0.0003	
2.46805692 2 2.46084809	2 ± 0.0003 2.46084809 ± 0.0003	
2.46805692 2 2.46084809 1.86561072	2 ± 0.0003 2.46084809 ± 0.0003 1.86561072 ± 0.0003	
2.46805692 2 2.46084809 1.86561072 6	2 ± 0.0003 2.46084809 ± 0.0003 1.86561072 ± 0.0003 6 ± 0.0003	
2.46805692 2 2.46084809 1.86561072 6 3	2 ± 0.0003 2.46084809 ± 0.0003 1.86561072 ± 0.0003 6 ± 0.0003 3 ± 0.0003	
2.46805692 2 2.46084809 1.86561072 6	2 ± 0.0003 2.46084809 ± 0.0003 1.86561072 ± 0.0003 6 ± 0.0003	
	1 3 3 2.46805692 2 2.46084809 1.86561072 3 3 2.85745907 2 2.35386825 2.47220445 3 27914.8262 277.355011 tgt_Rte_Inst_Sa_CmMtrCurr 32 15 1.39142871 2.28647137 700 3 1.09178734 14 6.35709572 1.82093007e-008 1 37732.9023 2.63156509 3 1.93776929 2.30192566 tgt_CmMtrCurr_Per3_ADCMtrCurr2_tgt_CmMtrCurr_Per3_ADCMtrCurr2_tgt_CmMtrCurr_Per3_ADCMtrCurr2_tgt_CmMtrCurr_Per3_ADCMtrCurr2_tgt_CmMtrCurr_Per3_ADCMtrCurr2_tgt_CmMtrCurr_Per3_ADCMtrCurr2_tgt_CmMtrCurr_Per3_ADCMtrCurr2_tgt_CmMtrCurr_Per3_ADCMtrCurr2_tgt_CmMtrCurr_Per3_ADCMtrCurr2_tgt_CmMtrCurr_Per3_ADCMtrCurr2_tgt_CmMtrCurr_Per3_ADCMtrCurr2_tgt_CmMtrCurr_Per3_ADCMtrCurr2_tgt_CmMtrCurr_Per3_ADCMtrCurr2_tgt_CmMtrCurr_Per3_Vecu_Volt_f32_tgt_CmMtrCurr_Per3_Vecu_Volt_f42_tgt_CmMtrCurr_Per3_Vecu_Volt_f42_tgt_CmMtrCurr_Per3_Vecu_Volt_f42_tgt_CmMtrCurr_Per3_Vecu_Volt_f42_tgt_CmMtrCurr_Per3_Vecu_Volt_f42_tgt_CmMtrCurr_Per3_Vecu_Volt_f42_tgt_CmMtrCurr_Per3_Vecu_Volt_f42_tgt_CmMtrCurr_Per3_Vecu_Volt_f42_tgt_CmMtrCurr_Per3_Vecu_Volt_f42_tgt_CmMtrCurr_Per3_Vecu_Volt_f42_tgt_CmMtrCurr_Per3_Vecu_Volt_f42_tgt_CmMtrCurr_Per3_Vecu_Volt_f42_tgt_CmMtrCurr_Per3_Vecu_Volt_f42_tgt_	4 CURROFF_ZEROAVERAGE 1 3 3 2.46805692 2 2.468084809 1.86561072 3 3 2.85745907 2 2.35386825 2.47220445 3 27914.8262 277.355011 tgt_Rte_Inst_Sa_CmMtrCurr 32 15 1.39142871 2.28647137 700 3 1.09178734 14 6.35709572 1.82093007e-008 1 37732.9023 2.63156509 3 1.93776929 2.30192566 tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_Vesp_Volt_f32 tgt_Cmtr_Per3_Vesp_Volt_f32 tgt_Cmtr_Per3_Vesp_Volt_f32 tgt_Cmtr_Per3_Vesp_Volt_f32 tgt_Cmtr_Per3_Vesp_Volt_f32 tgt_Cmtr_Per3_Vesp_Volt_f32 tgt_Cmtr_Per3_Vesp_Volt_f32 tgt_Cmtr_Per3_Vesp_Volt_f32 tgt_Cmtr_Per3_Vesp_Volt_f32 tgt_Cmtr_Per3_Vesp_Volt_f32 t

2.35386825

2.47220445

4.09178734

27914.8262

277.355011

CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32

CmMtrCurr_MtrCurr2SumZero_Volt_M_f32

 $CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32$

CmMtrCurr_VecuSum_Volt_M_f32

2.35386825 ± 0.0003

2.47220445 ± 0.0003

4.09178734 ± 0.0003

277.355011 ± 0.0009765625

27914.8262 ± 0.001

0 ± 1





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	✓

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte Call CmMtrCurr Per3 CP1 CheckpointReached	1	Rte Call CmMtrCurr Per3 CP1 CheckpointReached	1	✓

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

Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	5	5 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	•
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	•
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	2.2157042	2.2157042 ± 0.0003	~
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	~





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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	~

Test Step 3.6 (Repeat Count = 1) Name	Input Value		
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	6		
CmMtrCurr CurrOffState Uls M enum	CURROFF LOAVERAGE		
CmMtrCurr CurrOffTrimFlag Cnt M Igc	1		
CmMtrCurr_CurroffProcessFlag_M_enum	1		
CmMtrCurr MtrCurr1OffsetHi Volt M f32	3		
CmMtrCurr MtrCurr1OffsetLo Volt M f32	1.61728585		
CmMtrCurr MtrCurr1OffsetZero Volt M f32	1		
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		
·	0		
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value 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	35326.4414		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32			
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.19832134 2.70113182		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	2.70113182		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32			
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.1041311	1 Volto #22	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_0	_	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrR	· -	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f:		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kpt		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpdValid_	_Cnt_igc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Resu
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	7	7 ± 1	'

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





Name	Actual Value	Expected Value	Result
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	1.16198051	1.16198051 ± 0.0003	~
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	2.70886779	2.70886779 ± 0.0003	~
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	1.25865233	1.25865233 ± 0.0003	~
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	1.91161692	1.91161692 ± 0.0003	~
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	3	3 ± 0.0003	~
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	1	1 ± 0.0003	~
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	1.69007492	1.69007492 ± 0.0003	✓
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	~

Т				✓
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	~

- 101 0-10				
Test Step 3.7 (Repeat Count = 1)			~	
Name	Input Value			
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	7			
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_CALC	CURROFF_CALC		
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1	1		
CmMtrCurr_CurroffProcessFlag_M_enum	0	0		
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	3	3		
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	1.64490235			
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	3			
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	3			
CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	1.16706789			
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	1.78895056			
CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32	3			
CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32	1.5			
CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32	3			
CmMtrCurr_MtrCurr2SumHi_Volt_M_f32	1.16022956			
CmMtrCurr_MtrCurr2SumLo_Volt_M_f32	3			
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	3			
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	33953.457			
CmMtrCurr_VecuSum_Volt_M_f32	310.744995			
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr			
k CurrOffNoofAvg Cnt u16	15			
k_MaxCurrOffMtrVel_RadpS_f32	3.40498996			
k MtrCurrEOLMaxOffset Volts f32	3			
k MtrCurrEOLMinOffset Volts f32	1.20024276			
k_MtrCurrOffLoComOff_Cnt_u16	850			
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	2.53271556			
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	3			
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	3			
tgt CmMtrCurr Per3 Vecu Volt f32.value	9.09741783			
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	1.82093007e-008			
tgt CmMtrCurr Per3 VhSpdValid Cnt Igc.value	1			
tgt Pim ShCurrCal.EOLMtrCurrVcalCmd VoltCnts f32	68435.9531			
tgt Pim ShCurrCal.EOLMtrCurr1OffsetLo Volts f32	1.96729159			
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3			
tgt Pim ShCurrCal.EOLMtrCurr1OffsetDiff Volts f32	2.37171364			
tgt Pim ShCurrCal.EOLMtrCurr2OffsetDiff Volts f32	2.71984124			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMt	rCurr1 Volts f32		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32	tgt CmMtrCurr Per3 ADCMt			
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ComOffset Cnt u16	tgt CmMtrCurr Per3 ComOf			
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32	tgt CmMtrCurr Per3 MtrVel			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_\	· -		
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32	tgt CmMtrCurr Per3 VehSpo	_		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_Igc	tgt_CmMtrCurr_Per3_VhSpd	- · -		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal			
Name	Actual Value	Expected Value	Result	
CmMtrCurr CurrOffAvgCounter Cnt M u16	7	7 ± 1	Result	
Chilwin Curi_CuriChAvgCouriter_Chi_wi_u to	'	/ I		





Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_INTIALISE	CURROFF_INTIALISE	~
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_CurroffProcessFlag_M_enum	2	2	~
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	3	3 ± 0.0003	~
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	1.64490235	1.64490235 ± 0.0003	✓
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	~

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	✓
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	-

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





Name	Input Value		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	8	8 ± 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	1.78107488	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	~

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	✓

Test Step 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





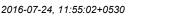
Name	Input Value		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.33796501		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.4327662		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtrCurr1_	_Volts_f32	
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_Cr	nt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	dpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph_	_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_C	Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	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	~

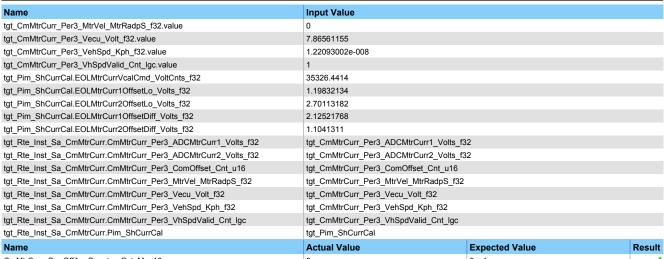
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	0	0 ± 1	~
CmMtrCurr_CurrOffState_Uls_M_enum	CURROFF_LOAVERAGE	CURROFF_LOAVERAGE	✓
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1	1	~
CmMtrCurr_CurroffProcessFlag_M_enum	1	1	✓
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	0.046875	0.046875 ± 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	~

Τ				✓
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	✓

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

CmMtrCurr_Per3





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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)	van de la companya d
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

CmMtrCurr_Per3

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Input Value k_MaxCurrOffMtrVel_RadpS_f32 15 k_MtrCurrEOLMaxOffset_Volts_f32 1.39142871 k MtrCurrEOLMinOffset_Volts_f32 2.28647137 k_MtrCurrOffLoComOff_Cnt_u16 1050 tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value 1.09178734 tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value 14 tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value 6.35709572 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value 1.82093007e-008 $tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value$ tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 37732.9023 $tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32$ 2.63156509 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 $tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32$ 1.93776929 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 2.30192566 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 $tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32$ tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16 $tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32$ tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt Rte Inst Sa CmMtrCurr.Pim ShCurrCal tgt Pim ShCurrCal

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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	3	
CmMtrCurr_MtrCurr2SumZero_Volt_M_f32	3		
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	33953.457		
CmMtrCurr_VecuSum_Volt_M_f32	366.394989		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
k_CurrOffNoofAvg_Cnt_u16	40		
k_MaxCurrOffMtrVel_RadpS_f32	3.40498996		
k_MtrCurrEOLMaxOffset_Volts_f32	2		
k_MtrCurrEOLMinOffset_Volts_f32	1.20024276		
k_MtrCurrOffLoComOff_Cnt_u16	1100		
tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32.value	2.53271556		
tgt_CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32.value	3	3	
tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32.value	3	3	
tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value	9.09741783	9.09741783	
tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value	1.82093007e-008	1.82093007e-008	
tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value	1	1	
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	68435.9531		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1.96729159		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.37171364		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.71984124		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtr	Curr1_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32	tgt_CmMtrCurr_Per3_ADCMtr	Curr2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOff	set_Cnt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd	_Kph_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdV	alid_Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result

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

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	

CmMtrCurr_Per3

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Input Value CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 1.16706789 $CmMtrCurr_MtrCurr1SumZero_Volt_M_f32$ 1.78895056 CmMtrCurr MtrCurr2OffsetHi Volt M f32 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 tgt_CmMtrCurr_Per3_Vecu_Volt_f32.value 9.09741783 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32.value 1.82093007e-008 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc.value 68435 9531 $tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32$ tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 1.96729159 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32 $tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32$ 2.37171364 tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32 2.71984124 $tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32$ tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32 tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32 tgt CmMtrCurr Per3 ADCMtrCurr2 Volts f32 $tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16$ tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 MtrVel MtrRadpS f32 tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 VehSpd Kph f32 tgt CmMtrCurr Per3 VehSpd Kph f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tot Dte Inet Sa CmMtrCurr Dim ShCurrCal tat Dim ShCurrCa

tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_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_INTIALISE	CURROFF_INTIALISE	✓	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✓	
CmMtrCurr_CurroffProcessFlag_M_enum	3	3	✓	
CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	1.5	1.5	✓	
CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	1.64490235	1.64490235	✓	
CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	3	3	✓	
CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	3	3	✓	
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 2.6369369			
CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 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 1.77314484			
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32 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		lts f32		
	tgt_CmMtrCurr_Per3_ADCMtrCurr1_Volts_f32			
tgt Rte Inst Sa CmMtrCurr.CmMtrCurr Per3 ADCMtrCurr2 Volts f32	tgt CmMtrCurr Per3 ADCMtrCurr2 Vo			
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ADCMtrCurr2_Volts_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ADCMtrCurr2_Vo tgt_CmMtrCurr_Per3_ComOffset_Cnt_u			
		16		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u	16		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS	16 _f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS tgt_CmMtrCurr_Per3_Vecu_Volt_f32	16 _f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32	16 _f32		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u tgt_CmMtrCurr_Per3_MtrVet_MtrRadpS tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_	16 _f32	Result	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u tgt_CmMtrCurr_Per3_MtrVet_MtrRadpS tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_ tgt_Pim_ShCurrCal Actual Value 3	116 f32 lgc Expected Value 3 ± 1	~	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal Name CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u tgt_CmMtrCurr_Per3_MtrVet_MtrRadpS tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_ tgt_Pim_ShCurrCal Actual Value 3 CURROFF_INTIALISE	_f32 lgc Expected Value	Result	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal Name CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_ tgt_Pim_ShCurrCal Actual Value 3 CURROFF_INTIALISE 0	In 16	~	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal Name CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_CurrOffProcessFlag_M_enum	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_ tgt_Pim_ShCurrCal Actual Value 3 CURROFF_INTIALISE 0 3	lgc Expected Value 3 ± 1 CURROFF_INTIALISE 0 3	~	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal Name CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_CurrOffProcessFlag_M_enum CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_ tgt_Pim_ShCurrCal Actual Value 3 CURROFF_INTIALISE 0 3 3	16	~	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal Name CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_CurrOffProcessFlag_M_enum CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_ tgt_Pim_ShCurrCal Actual Value 3 CURROFF_INTIALISE 0 3 1.5	16	· · · · · · · · · · · · · · · · · · ·	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal Name CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_CurrOffTrimFlag_Cnt_M_f32 CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_ tgt_Pim_ShCurrCal Actual Value 3 CURROFF_INTIALISE 0 3 1.5	Expected Value 3 ± 1 CURROFF_INTIALISE 0 3 3 1.5 2	~	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal Name CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_ tgt_Pim_ShCurrCal Actual Value 3 CURROFF_INTIALISE 0 3 1.5 2 2.34302044	Expected Value 3 ± 1 CURROFF_INTIALISE 0 3 3 1.5 2 2.34302044	· · · · · · · · · · · · · · · · · · ·	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal Name CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_ tgt_Pim_ShCurrCal Actual Value 3 CURROFF_INTIALISE 0 3 1.5 2 2.34302044 1.61692572	Expected Value 3 ± 1 CURROFF_INTIALISE 0 3 3 1.5 2 2.34302044 1.61692572	• • • • • • • • • • • • • • • • • • •	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal Name CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_ tgt_Pim_ShCurrCal Actual Value 3 CURROFF_INTIALISE 0 3 1.5 2 2.34302044 1.61692572 2.6369369	Expected Value 3 ± 1 CURROFF_INTIALISE 0 3 1.5 2 2.34302044 1.61692572 2.6369369	• • • • • • • • • • • • • • • • • • •	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal Name CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uis_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_CurrOffProcessFlag_M_enum CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_ tgt_Pim_ShCurrCal Actual Value 3 CURROFF_INTIALISE 0 3 1.5 2 2.34302044 1.61692572 2.6369369 1.38367915	Expected Value 3 ± 1 CURROFF_INTIALISE 0 3 1.5 2 2.34302044 1.61692572 2.6369369 1.38367915		
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tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal Name CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_CurrOffTrimFlag_Cnt_M_f32 CmMtrCurr_MtrCurr1OffSetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffSetD_Volt_M_f32 CmMtrCurr_MtrCurr1OffSetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffSetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffSetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrYalCmd_VoltCnt_M_f32	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_ tgt_Pim_ShCurrCal Actual Value 3 CURROFF_INTIALISE 0 3 1.5 2 2.34302044 1.61692572 2.6369369 1.38367915 1 2 2.69245267 1.64579737 2.93037891 20898.541	Expected Value 3 ± 1 CURROFF_INTIALISE 0 3 3 1.5 2 2.34302044 1.61692572 2.6369369 1.38367915 1 2 2.69245267 1.64579737 2.93037891 20898.541		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Valid_Cnt_lgc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal Name CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_CurrOffTrimFlag_Cnt_M_f32 CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrYalCmd_VoltCnt_M_f32 CmMtrCurr_MtrCurrYalCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_ tgt_Pim_ShCurrCal Actual Value 3 CURROFF_INTIALISE 0 3 1.5 2 2.34302044 1.61692572 2.6369369 1.38367915 1 2 2.69245267 1.64579737 2.93037891 20898.541 388.654999	Expected Value 3 ± 1 CURROFF_INTIALISE 0 3 3 1.5 2 2.34302044 1.61692572 2.6369369 1.38367915 1 2 2.69245267 1.64579737 2.93037891 20898.541 388.654999		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Valid_Cnt_lgc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal Name CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_CurrOffTrimFlag_Cnt_M_f32 CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumHi_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetEor_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurrPer3_ComOffset_Cnt_u16.value	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_ tgt_Pim_ShCurrCal Actual Value 3 CURROFF_INTIALISE 0 3 1.5 2 2.34302044 1.61692572 2.6369369 1.38367915 1 2 2.69245267 1.64579737 2.93037891 20898.541 388.654999 0	Expected Value 3 ± 1 CURROFF_INTIALISE 0 3 1.5 2 2.34302044 1.61692572 2.6369369 1.38367915 1 2 2.69245267 1.64579737 2.93037891 20898.541 388.654999 0 ± 1		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Valid_Cnt_lgc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal Name CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_CurrOffTrimFlag_Cnt_M_f32 CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetIv_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetValt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumZero_Volt_M_f32 CmMtrCurr_MtrCurrPer3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_ tgt_Pim_ShCurrCal Actual Value 3 CURROFF_INTIALISE 0 3 1.5 2 2.34302044 1.61692572 2.6369369 1.38367915 1 2 2.69245267 1.64579737 2.93037891 20898.541 388.654999 0 62447.9336	Expected Value 3 ± 1 CURROFF_INTIALISE 0 3 1.5 2 2.34302044 1.61692572 2.6369369 1.38367915 1 2 2.69245267 1.64579737 2.93037891 20898.541 388.654999 0 ± 1 62447.9336 ± 0.004		
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Valid_Cnt_lgc tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal Name CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 CmMtrCurr_CurrOffState_Uls_M_enum CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc CmMtrCurr_CurrOffTrimFlag_Cnt_M_f32 CmMtrCurr_MtrCurr1OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr1SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetHi_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetLo_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2OffsetZero_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumHi_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurr2SumLo_Volt_M_f32 CmMtrCurr_MtrCurrPer3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 tgt_Pim_ShCurrCal.EOLMtrCurrVolfSetLo_Volts_f32	tgt_CmMtrCurr_Per3_ComOffset_Cnt_u tgt_CmMtrCurr_Per3_MtrVel_MtrRadpS tgt_CmMtrCurr_Per3_Vecu_Volt_f32 tgt_CmMtrCurr_Per3_VehSpd_Kph_f32 tgt_CmMtrCurr_Per3_VhSpdValid_Cnt_ tgt_Pim_ShCurrCal Actual Value 3 CURROFF_INTIALISE 0 3 1.5 2 2.34302044 1.61692572 2.6369369 1.38367915 1 2 2.69245267 1.64579737 2.93037891 20898.541 388.654999 0 62447.9336 1.77314484	Expected Value 3 ± 1 CURROFF_INTIALISE 0 3 1.5 2 2.34302044 1.61692572 2.6369369 1.38367915 1 2 2.69245267 1.64579737 2.93037891 20898.541 388.654999 0 ± 1 62447.9336 ± 0.004 1.77314484 ± 0.0003		

Т				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	~
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	•



Test Step 3.15 (Repeat Count = 1)			•
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	2_Volts_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_ComOffset_Cnt_u16	tgt_CmMtrCurr_Per3_ComOffset_C	Cnt_u16	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_MtrVel_MtrRadpS_f32	tgt_CmMtrCurr_Per3_MtrVel_MtrRa	adpS_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_Vecu_Volt_f32	tgt_CmMtrCurr_Per3_Vecu_Volt_f3	2	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VehSpd_Kph_f32	tgt_CmMtrCurr_Per3_VehSpd_Kph	_f32	
tgt_Rte_Inst_Sa_CmMtrCurr.CmMtrCurr_Per3_VhSpdValid_Cnt_lgc	tgt_CmMtrCurr_Per3_VhSpdValid_	Cnt_lgc	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Resul
CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16	0	0 ± 1	1.000
CmMtrCurr CurrOffState Uls M enum	CURROFF HIAVERAGE	CURROFF HIAVERAGE	
CmMtrCurr CurrOffTrimFlag Cnt M Igc	1	1	
CmMtrCurr_CurroffProcessFlag_M_enum	1	1	
CmMtrCurr MtrCurr1OffsetHi Volt M f32	3	3	
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	•
	· ·	65784.1328	
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32	65784.1328		
	65784.1328 0	0	
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32		0 4000 ± 1	
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32	0		•
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value	0 4000	4000 ± 1	
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	0 4000 48316.1758	4000 ± 1 48316.1758 ± 0.004	
CmMtrCurr_MtrCurrValCmd_VoltCnt_M_f32 CmMtrCurr_VecuSum_Volt_M_f32 tgt_CmMtrCurr_Per3_ComOffset_Cnt_u16.value tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32 tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	0 4000 48316.1758 2.95542264	4000 ± 1 48316.1758 ± 0.004 2.95542264 ± 0.0003	•

2016-07-24, 11:55:02+0530



CmMtrCurr_Per3

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP0_CheckpointReached	1	•
Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	Rte_Call_CmMtrCurr_Per3_CP1_CheckpointReached	1	•

CmMtrCurrTempOffset_Scom_Get

2016-07-24, 12:00:49+0530



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)\NxtrLib\include -I\$(PROJECTROOT) \StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtrLib\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)\NxtrLib\include -I\$(PROJECTROOT) \StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470 4.9.5\include

Comments/Description/Spe	ecification
Name	Text
Module 'CmMtrCurr_MTRCURRPHASEAB_ON	Name of Tester:Chandrakanth Sheegi Code File(s) Under Test:Sa_CmMtrCurr.c Code File(s) Under Test:Sa_CmMtrCurr.d Code File(s) Version:2 Module Design Document:CmMtrCurr_MDD.docx Module Design Document Version:2 Data Dictionary Version:2 Unit Test Plan Version:2 Unit Test Plan Version:2 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model 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):30 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_ NtrCurrSumLo_Volt_M_f32_ MtrCurrSumLo_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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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.tpl
Target Install Path	<pre>\$(ProgramFiles)\pls\UDE 4.4</pre>
Time Unit	cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



Test Case 1: Range Test

CmMtrCurrTempOffset_Scom_Get

Specification

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

CPU Cycles:

168:

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

Description

Vector Description:

TS1.1 All Min

TS1.3 Rte_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5==>Min TS1.4 Rte_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5==>Max TS1.4 Rte_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5==>Max
TS1.5 Rte_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5==>Pos
TS1.6 Rte_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5==>Zero
TS1.7 Rte_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5==>Neg
TS1.8 Rte_Pim_CurrTempOffset.CurrOffsetY_DegC_s10p5==>Neg
TS1.9 Rte_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11==>Min
TS1.9 Rte_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11==>Pos
TS1.11 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==>Neg
TS1.16 Rte_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11==>Zero
TS1.17 Rte_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11==>Zero
TS1.17 Rte_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11==>Zero
TS1.17 Rte_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11==>Neg

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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 ${\it CmMtrCurrTempOffset_Scom_Get}$

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	✓
tqt CurrTempOffCal.CurrTempOffsetX DegC s10p5[10]	-1600	-1600	
tqt 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	<u> </u>

Test Step 1.2 (Repeat Count = 1)		√
Name	Input Value	
CurrTempOffCal	tgt_CurrTempOffCal	
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]	4800	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]	4800	
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	4800	

-53

-53

-53

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-53

-53

tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]

tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]

tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]

 $tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]$

tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]

 $tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]$

tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]

 $tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]$

tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]

tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]

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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 4800		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] 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 53		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4] 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 53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0] 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] 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		
	53		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]			
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	tgt_Pim_CurrTempOffset		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name	Actual Value	Expected Value	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]	Actual Value 4800	4800	Result
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]	Actual Value 4800 4800	4800 4800	~
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]	Actual Value 4800 4800 4800	4800 4800 4800	7
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]	Actual Value 4800 4800 4800 4800	4800 4800 4800 4800	~
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	Actual Value 4800 4800 4800 4800 4800 4800	4800 4800 4800 4800 4800	***
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]	Actual Value 4800 4800 4800 4800 4800 4800 4800	4800 4800 4800 4800 4800 4800	0
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	Actual Value 4800 4800 4800 4800 4800 4800	4800 4800 4800 4800 4800	~
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]	Actual Value 4800 4800 4800 4800 4800 4800 4800 480	4800 4800 4800 4800 4800 4800 4800	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]	Actual Value 4800 4800 4800 4800 4800 4800 4800 4800 4800	4800 4800 4800 4800 4800 4800 4800 4800	
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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	✓

Name	Input Value
CurrTempOffCal	tgt CurrTempOffCal
Rte Inst Sa CmMtrCurr	tgt Rte Inst Sa CmMtrCurr
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[0]	-1600
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]	-1600
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[2]	-1600
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[3]	-1600
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[4]	-1600
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[5]	-1600
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[6]	-1600
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[7]	-1600
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[8]	-1600
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[9]	-1600
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[10]	-1600
gt Pim CurrTempOffset.CurrTempOffsetX_DegC s10p5[11]	-1600
gt Pim CurrTempOffset.CurrTempOffsetX_DegC s10p5[12]	-1600
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13]	-1600
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]	-1600
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15]	-1600
gt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[0]	-14
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]	-16
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	-18
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2] gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[3]	-20
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]	-20 -23
	-25 -25
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]	
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6]	-27
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]	-29
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]	-31
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]	-33
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]	-35
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]	-37
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]	-39
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]	-41
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]	-43
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]	-45
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]	2
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]	4
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]	6
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]	8
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]	10
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]	12
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]	14
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]	16
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]	18
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]	20
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]	23
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]	25

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CmMtrCurrTempOffset_Scom_Get Input Value tqt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[12] 27 29 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] tqt Pim CurrTempOffset.CurrOffsetY2 Volts s4p11[14] 31 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] 33 tgt_Pim_CurrTempOffset $tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset$ **Expected Value Actual Value** Result tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] -1600 -1600 tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] -1600 -1600 tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] -1600 -1600 tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] -1600 -1600 $tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]$ -1600 -1600 tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] -1600 -1600 $tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]$ -1600 -1600 -1600 -1600 tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[8] -1600 -1600 tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] -1600 -1600 $tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]$ -1600 -1600 $tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]$ -1600 -1600 tqt CurrTempOffCal.CurrTempOffsetX DegC s10p5[12] -1600 -1600 $tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]$ -1600 -1600 tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] -1600 -1600 $tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]$ -1600 -1600 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] -14 -14 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] -16 -16 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] -18 -18 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] -20 -20 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4] -23 -23 -25 -25 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] -27 -27 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7] -29 -29 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8] -31 -31 -33 -33 tat CurrTempOffCal.CurrOffsetY1 Volts s4p11[9] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] -35 -35 tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[11] -37 -37 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12] -39 -39 **v** tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] -41 -41 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14] -43 -43 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15] -45 -45 2 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0] 2 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1] 4 4 tot CurrTempOffCal.CurrOffsetY2 Volts s4p11[2] 6 6 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3] 8 8 tot CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4] 10 10 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5] 12 12 tgt CurrTempOffCal.CurrOffsetY2 Volts s4p11[6] 14 14 16 $tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]$ 16 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8] 18 18 $tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]$ 20 20 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10] 23 23 25 $tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]$ 25

Test Step 1.4 (Repeat Count = 1)	
Name	Input Value
CurrTempOffCal	tgt_CurrTempOffCal
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0]	4800
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]	4800
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	4800
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]	4800
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	4800
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]	4800
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]	4800
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]	4800
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]	4800
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]	4800
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	4800
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]	4800

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tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]

tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]

tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]

tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]

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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	~
tot 0T0#0-10T0#tV D040-5[0]	0.40	0.40	

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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

CmMtrCurrTempOffset_Scom_Get

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Input Value $tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]$ 12 tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6] 16 tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7] tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8] 18 tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9] 20 tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10] 23 tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11] 25 $tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]$ 27 tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13] 29 $tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]$ 31 tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15] 33 $tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]$ -47 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1] -49 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2] -51 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3] -53 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4] 2 $tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]$ 4 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6] 6 $tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]$ 8 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8] 10 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9] 12 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]

tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15]	25			
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	Offset 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	rtoduk
tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[1]	-1440	-1440	
tgt CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]	-1376	-1376	
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]	-1280	-1280	
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	-1216	-1216	
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	-1120	-1120	
	-1056	-1056	
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]			Ž
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]	-960 806	-960 806	
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]	-896 -800	-896	~
		-800	
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]			
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]	-704 -640	-704 -640	-

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Actual Value Expected Value 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 -4 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11] -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 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 tat 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	~



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] tqt_Pim_CurrTempOffset.CurrTempOffsetX_DeqC_s10p5[7]	448 672		
tgt Pim CurrTempOffset.CurrTempOffsetX DegC_s10p5[7]	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] tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]	-29 -31		
	-33		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9] 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	result
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[4]	224	224	
tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[6]	448	448	
tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[0]	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	→

CmMtrCurrTempOffset_Scom_Get

2016-07-24, 12:00:49+0530



2016-07-24, 12:00:49+0530



Name	Input Value		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]	608		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]	736		
	832		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7] tqt Pim CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]	928		
0			
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]	1056		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	1152		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11]	1248 1376		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12]			
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]			
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]			
Igi_ III_Outromponact.outromact12_voita_a4p11[10]	-12		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	-12 tgt_Pim_CurrTempOffset		
		Expected Value	Result
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	tgt_Pim_CurrTempOffset	Expected Value	Result 🗸
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name	tgt_Pim_CurrTempOffset Actual Value	The second secon	Result
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]	tgt_Pim_CurrTempOffset Actual Value 96	96	Result
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]	tgt_Pim_CurrTempOffset Actual Value 96 192	96 192	Result
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]	tgt_Pim_CurrTempOffset Actual Value 96 192 288	96 192 288	Result
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3]	tgt_Pim_CurrTempOffset Actual Value 96 192 288 416	96 192 288 416	· ·
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	tgt_Pim_CurrTempOffset Actual Value 96 192 288 416 512	96 192 288 416 512	•
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]	tgt_Pim_CurrTempOffset Actual Value 96 192 288 416 512 608	96 192 288 416 512 608	• • • • • • • • • • • • • • • • • • •
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]	tgt_Pim_CurrTempOffset Actual Value 96 192 288 416 512 608 736	96 192 288 416 512 608 736	• • • • • • • • • • • • • • • • • • •
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]	tgt_Pim_CurrTempOffset Actual Value 96 192 288 416 512 608 736 832	96 192 288 416 512 608 736 832	, , , , , , , , , , , , , , , , , , ,
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]	tgt_Pim_CurrTempOffset Actual Value 96 192 288 416 512 608 736 832 928	96 192 288 416 512 608 736 832 928	, , , , , , , , , , , , , , , , , , ,
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]	tgt_Pim_CurrTempOffset Actual Value 96 192 288 416 512 608 736 832 928 1056	96 192 288 416 512 608 736 832 928	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11]	tgt_Pim_CurrTempOffset Actual Value 96 192 288 416 512 608 736 832 928 1056 1152	96 192 288 416 512 608 736 832 928 1056	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]	tgt_Pim_CurrTempOffset Actual Value 96 192 288 416 512 608 736 832 928 1056 1152 1248	96 192 288 416 512 608 736 832 928 1056 1152	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]	tgt_Pim_CurrTempOffset Actual Value 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376	96 192 288 416 512 608 736 832 928 1056 1152 1248 1376	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]	tgt_Pim_CurrTempOffset Actual Value 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472	96 192 288 416 512 608 736 832 928 1056 1152 1248 1376	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]	tgt_Pim_CurrTempOffset Actual Value 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568	96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]	tgt_Pim_CurrTempOffset Actual Value 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760	96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_DegC_s10p5[15]	tgt_Pim_CurrTempOffset Actual Value 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0	96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0	
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tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]	tgt_Pim_CurrTempOffset Actual Value 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0 0	96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0	
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tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]	tgt_Pim_CurrTempOffset Actual Value 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0 0 0 0 0 0 0	96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0 0 0 0 0 0	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8]	tgt_Pim_CurrTempOffset Actual Value 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0 0 0 0 0 0 0 0 0	96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0 0 0 0 0 0 0 0 0 0	
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset Name tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrTempOffsetY_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7]	tgt_Pim_CurrTempOffset Actual Value 96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0 0 0 0 0 0 0	96 192 288 416 512 608 736 832 928 1056 1152 1248 1376 1472 1568 1760 0 0 0 0 0 0 0 0 0	

CmMtrCurrTempOffset_Scom_Get

2016-07-24, 12:00:49+0530



Name	Actual Value	Expected Value	Result
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15]	0	0	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]	35	35	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1]	37	37	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2]	39	39	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3]	41	41	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4]	43	43	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5]	45	45	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6]	47	47	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7]	49	49	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[8]	51	51	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]	53	53	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10]	-2	-2	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]	-4	-4	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12]	-6	-6	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]	-8	-8	✓
tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]	-10	-10	✓
tgt CurrTempOffCal.CurrOffsetY2 Volts s4p11[15]	-12	-12	✓

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
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	0
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[3]	736
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[4]	1056
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[5]	1408
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[6]	1568
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[7]	2016
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[8]	2368
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[9]	2688
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10]	2848
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[11]	3200
gt Pim CurrTempOffset.CurrTempOffsetX_DegC s10p5[12]	3936
gt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[13]	4544
gt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14]	4640
gt Pim CurrTempOffset.CurrTempOffsetX_DegC s10p5[15]	4768
gt Pim CurrTempOffset.CurrOffsetY1 Volts s4p11[0]	-14
gt_Fim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[1]	-16
gt_Fim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	-18
gt_Fini_CurrTempOffset.CurrOffsetY1_Volts_s4p11[2]	-20
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4]	-23
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[4] gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[5]	-25 -25
gt_Pim_currTempOffset.CurrOffsetY1_Volts_s4p11[6]	-27
gt_Pini_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7]	-27
	-31
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8]	· ·
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9]	-33 -35
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10]	
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11]	-37
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12]	-39
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13]	-41
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14]	-43
gt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15]	-45
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0]	-14
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1]	-16
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2]	-18
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3]	-20
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]	-23
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5]	-25
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6]	-27
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7]	-29
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8]	-31
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9]	-33
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10]	-35
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11]	-37
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12]	-39
gt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13]	-41

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CmMtrCurrTempOffset_Scom_Get Input Value tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] -43 -45 tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt Pim CurrTempOffset $tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset$ **Actual Value Expected Value** Result $tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]$ -928 tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[1] -608 -608 tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] 0 0 tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] 736 736 $tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]$ 1056 1056 tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5] 1408 1408 $tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6]$ 1568 1568 tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7] 2016 2016 $tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]$ 2368 2368 2688 2688 tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9] tgt CurrTempOffCal.CurrTempOffsetX DegC s10p5[10] 2848 2848 tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] 3200 3200 $tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]$ 3936 3936 $tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13]$ 4544 4544 tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14] 4640 4640 $tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15]$ 4768 4768 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] -14 -14 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] -16 -16 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[2] -18 -18 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] -20 -20 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4] -23 -23 -25 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5] -25 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] -27 -27 -29 -29 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8] -31 -31 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9] -33 -33 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] -35 -35 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11] -37 -37 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12] -39 -39 tgt CurrTempOffCal.CurrOffsetY1 Volts s4p11[13] -41 -41 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14] -43 -43 tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15] -45 -45 tgt CurrTempOffCal.CurrOffsetY2 Volts s4p11[0] -14 -14 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1] -16 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2] -18 -18 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[3] -20 -20 tot CurrTempOffCal.CurrOffsetY2 Volts s4p11[4] -23 -23 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[5] -25 -25 tgt CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6] -27 -27 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7] -29 -29 -31 tgt CurrTempOffCal.CurrOffsetY2 Volts s4p11[8] -31 $tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9]$ -33 -33 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10] -35 -35 -37 $tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11]$ -37 tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12] -39 -39

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

-41

-43

-45

-41

-43

-45

tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13]

tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]

tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]

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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 In	put Value		
CurrTempOffCal tgt	t CurrTempOffCal		
Rte_Inst_Sa_CmMtrCurr tgt	t Rte Inst Sa CmMtrCurr		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[0] 22-	24		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1] 54-	14		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2] 86	64		
tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[3] 11	184		
tgt Pim CurrTempOffset.CurrTempOffsetX DegC s10p5[4] 15	504		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5] 18	324		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6] 21-	144		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7] 24	464		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8] 276	784		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9] 31	104		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[10] 34	124		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[11] 374	744		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[12] 40	064		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[13] 43	384		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[14] 444	480		
tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[15] 47	704		
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	2		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[6] 14	4		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[7] 16	6		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[8] 18	3		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[9] 20)		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[10] 23	3		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[11] 25	5		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[12] 27	7		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[13] 29	9		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[14] 31	1		
tgt_Pim_CurrTempOffset.CurrOffsetY1_Volts_s4p11[15] 33	3		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[0] 53	3		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[1] 53	3		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[2] 53	3		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[3] 53	3		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4] 53	3		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[5] 53	3		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[6] 53	3		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[7] 53	3		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[8] 53	3		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[9] 53	3		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[10] 53	3		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[11] 53	3		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[12] 53	3		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[13] 53	3		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[14] 53	3		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] 53	3		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset tgt_	t_Pim_CurrTempOffset		
Name Ac	ctual Value	Expected Value	Result
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0] 22-	24	224	~
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1] 54	14	544	~
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2] 86-	64	864	~
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] 11	184	1184	~
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	504	1504	•

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Actual Value Expected Value $tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[5]$ tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[6] $tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[7]$ $tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[8]$ $tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[9]$ $tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10]$ tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] $tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]$ tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] $tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[14]$ tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[15] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[1] tat CurrTempOffCal.CurrOffsetY1 Volts s4p11[2] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[3] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[4] $tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[5]$ tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[7] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[8] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[9] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[10] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[11] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[12] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[13] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[14] tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[1] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[2] tgt CurrTempOffCal.CurrOffsetY2 Volts s4p11[3] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[4] tgt CurrTempOffCal.CurrOffsetY2 Volts s4p11[5] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[6] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[7] tgt CurrTempOffCal.CurrOffsetY2 Volts s4p11[8] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[9] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[10] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[11] tat CurrTempOffCal.CurrOffsetY2_Volts_s4p11[12] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[13] tgt CurrTempOffCal.CurrOffsetY2_Volts_s4p11[14]

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

tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[15]

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

Section Sect	Test Step 1.16 (Repeat Count = 1) Name	Input Value		
Rig. mail. Sp. ChalleCurr		· ·		
100 Print Curt Frenchiste Curt Frenchiste Expg. stripS(2)				
Sign Pinn CurrismpOffices Cu	tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[1]	-928		
140 140	tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[2]	480		
State Principal Count Free Offices Count Free Offices Count Services 1920	tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[3]	960		
Table Proceedings 1940	tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[4]	1440		
State Part CarrierropOffest CurrierropOffest Deck StopSPT 1940 19	tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[5]	1920		
100, Purp Court Franchist Court Franchist No. 1905, 3 (1908)	tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[6]	2240		
Supplement Sup	tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[7]	2400		
Style Description Court Composition Court Composition Sept. Style Description Court Composition Court Composition Sept.	tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[8]	2496		
State Prince Court State Prince State St	tgt_Pim_CurrTempOffset.CurrTempOffsetX_DegC_s10p5[9]	3552		
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State Part Court Court				
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tg.P.m. CurrTempOffset CurrOffsetY1 Volts _s4p116]				
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tgl_Pim_CurrTempOffset.CurrOffsetY_Volts_s4p119 33 tgl_Pim_CurrTempOffset.CurrOffsetY_Volts_s4p119 35 tgl_Pim_CurrTempOffset.CurrOffsetY_Volts_s4p1110 35 tgl_Pim_CurrTempOffset.CurrOffsetY_Volts_s4p11110 37 tgl_Pim_CurrTempOffset.CurrOffsetY_Volts_s4p111110 37 tgl_Pim_CurrTempOffset.CurrOffsetY_Volts_s4p11110 39 tgl_Pim_CurrTempOffset.CurrOffsetY_Volts_s4p11110 43 tgl_Pim_CurrTempOffset.CurrOffsetY_Volts_s4p11110 45 tgl_Pim_CurrTempOffset.CurrOffsetY_Volts_s4p11110 0 tgl_Pim_CurrTempOffset.CurrOffsetY_Volts_s4p1110 0 tgl_Pim_CurrTempOffset.CurrOffsetY_Volts_s4p11110 0 tg				
IgL_Pim_CurTempOffset.CurrOffsetY_Volts_4p11 9	,			
Section Sect				
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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_Pim_CurrTempOffset.CurrOffsetY2_volts_s4p11[15] 0 tgt_Pim_CurrTempOffset.CurrOffsetY2_volts_s4p11[15] 0 tgt_Pim_CurrTempOffset.CurrOffsetY2_volts_s4p11[15] 0 tgt_Pim_CurrTempOffset.CurrOffsetY2_volts_s4p11[15] 0 tgt_Pim_CurrTempOffset.CurrOffsetY2_volts_s4p1[15] 0 tgt_Pim_CurrTempOffset.CurrOffsetY2_volts_s4p1[16] 0 tgt_CurrTempOffset.CurrOffsetY2_volts_s4p1[15] 0 tgt_CurrTempOffset.CurrOffsetY2_volts_s4p1[16] 0 tgt_CurrTempOffsetX_DegC_s10p5[1] 928 tgt_CurrTempOffsetX_De	tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[4]	0		
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tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] 0 tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset tgt_Pim_CurrTempOffset Name Actual Value Expected Value R tgt_CurrTempOffSetX_DegC_s10p5[0] -1184 -1184 -1184 tgt_CurrTempOffSetX_DegC_s10p5[1] -928 -928 -928 tgt_CurrTempOffSetX_DegC_s10p5[2] 480 480 480 tgt_CurrTempOffSetX_DegC_s10p5[3] 960 960 960 tgt_CurrTempOffSetX_DegC_s10p5[4] 1440 1440 1440 tgt_CurrTempOffSetX_DegC_s10p5[5] 1920 1920 1920 tgt_CurrTempOffSetX_DegC_s10p5[6] 2240 2240 2240 tgt_CurrTempOffSetX_DegC_s10p5[7] 2400 2400 2400 tgt_CurrTempOffSetX_DegC_s10p5[8] 2496 2496 2496 tgt_CurrTempOffSetX_DegC_s10p5[9] 3552 3552 3552 tgt_CurrTempOffSetX_DegC_s10p5[10] 3648 3648 3648 tgt_CurrTempOffSetX_DegC_s10p5[11] 3936 3936 3936				
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset tgt_Pim_CurrTempOffset Name Actual Value Expected Value R tgt_CurrTempOffSetX_DegC_s10p5[0] -1184 -1184 tgt_CurrTempOffSetX_DegC_s10p5[1] -928 -928 tgt_CurrTempOffSetX_DegC_s10p5[2] 480 480 tgt_CurrTempOffSetX_DegC_s10p5[3] 960 960 tgt_CurrTempOffSetX_DegC_s10p5[4] 1440 1440 tgt_CurrTempOffSetX_DegC_s10p5[5] 1920 1920 tgt_CurrTempOffSetX_DegC_s10p5[6] 2240 2240 tgt_CurrTempOffSetX_DegC_s10p5[7] 2400 2400 tgt_CurrTempOffSetX_DegC_s10p5[8] 2496 2496 tgt_CurrTempOffSetX_DegC_s10p5[9] 3552 3552 tgt_CurrTempOffSetX_DegC_s10p5[10] 3648 3648 tgt_CurrTempOffSetX_DegC_s10p5[11] 3936 3936				
Name Actual Value Expected Value R tgt_CurrTempOffSetX_DegC_s10p5[0] -1184 -1184 -1184 tgt_CurrTempOffSetX_DegC_s10p5[1] -928 -928 tgt_CurrTempOffSetX_DegC_s10p5[2] 480 480 tgt_CurrTempOffSetX_DegC_s10p5[3] 960 960 tgt_CurrTempOffSetX_DegC_s10p5[4] 1440 1440 tgt_CurrTempOffSetX_DegC_s10p5[5] 1920 1920 tgt_CurrTempOffSetX_DegC_s10p5[6] 2240 2240 tgt_CurrTempOffSetX_DegC_s10p5[7] 2400 2400 tgt_CurrTempOffSetX_DegC_s10p5[8] 2496 2496 tgt_CurrTempOffSetX_DegC_s10p5[9] 3552 3552 tgt_CurrTempOffSetX_DegC_s10p5[10] 3648 3648 tgt_CurrTempOffSetX_DegC_s10p5[11] 3936 3936				
tgt_CurrTempOffSetX_DegC_s10p5[0] -1184 -928 -928 tgt_CurrTempOffSetX_DegC_s10p5[1] -928 -928 tgt_CurrTempOffSetX_DegC_s10p5[2] 480 480 tgt_CurrTempOffSetX_DegC_s10p5[3] 960 960 tgt_CurrTempOffSetX_DegC_s10p5[4] 1440 1440 tgt_CurrTempOffSetX_DegC_s10p5[5] 1920 1920 tgt_CurrTempOffSetX_DegC_s10p5[6] 2240 2240 tgt_CurrTempOffSetX_DegC_s10p5[7] 2400 2400 tgt_CurrTempOffSetX_DegC_s10p5[8] 2496 2496 tgt_CurrTempOffSetX_DegC_s10p5[9] 3552 tgt_CurrTempOffSetX_DegC_s10p5[10] 3648 3648 tgt_CurrTempOffSetX_DegC_s10p5[11] 3936	tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	tgt_Pim_CurrTempOffset		
tgt_CurrTempOffSetX_DegC_s10p5[1] -928 -928 tgt_CurrTempOffSetX_DegC_s10p5[2] 480 480 tgt_CurrTempOffSetX_DegC_s10p5[3] 960 960 tgt_CurrTempOffSetX_DegC_s10p5[4] 1440 1440 tgt_CurrTempOffSetX_DegC_s10p5[5] 1920 1920 tgt_CurrTempOffSetX_DegC_s10p5[6] 2240 2240 tgt_CurrTempOffSetX_DegC_s10p5[7] 2400 2400 tgt_CurrTempOffSetX_DegC_s10p5[8] 2496 2496 tgt_CurrTempOffSetX_DegC_s10p5[9] 3552 3552 tgt_CurrTempOffSetX_DegC_s10p5[10] 3648 3648 tgt_CurrTempOffSetX_DegC_s10p5[11] 3936 3936	Name	Actual Value	Expected Value	Resu
tgt_CurrTempOffSetX_DegC_s10p5[2] 480 480 tgt_CurrTempOffSetX_DegC_s10p5[3] 960 960 tgt_CurrTempOffSetX_DegC_s10p5[4] 1440 1440 tgt_CurrTempOffSetX_DegC_s10p5[5] 1920 1920 tgt_CurrTempOffSetX_DegC_s10p5[6] 2240 2240 tgt_CurrTempOffSetX_DegC_s10p5[7] 2400 2400 tgt_CurrTempOffSetX_DegC_s10p5[8] 2496 2496 tgt_CurrTempOffSetX_DegC_s10p5[9] 3552 3552 tgt_CurrTempOffSetX_DegC_s10p5[10] 3648 3648 tgt_CurrTempOffSetX_DegC_s10p5[11] 3936 3936				
tgt_CurrTempOffSetX_DegC_s10p5[3] 960 960 tgt_CurrTempOffSetX_DegC_s10p5[4] 1440 1440 tgt_CurrTempOffSetX_DegC_s10p5[5] 1920 1920 tgt_CurrTempOffSetX_DegC_s10p5[6] 2240 2240 tgt_CurrTempOffSetX_DegC_s10p5[7] 2400 2400 tgt_CurrTempOffSetX_DegC_s10p5[8] 2496 2496 tgt_CurrTempOffSetX_DegC_s10p5[9] 3552 3552 tgt_CurrTempOffSetX_DegC_s10p5[10] 3648 3648 tgt_CurrTempOffSetX_DegC_s10p5[11] 3936 3936				
tgt_CurrTempOffSelX_DegC_s10p5[4] 1440 1440 tgt_CurrTempOffSelX_DegC_s10p5[5] 1920 1920 tgt_CurrTempOffSelX_DegC_s10p5[6] 2240 2240 tgt_CurrTempOffSelX_DegC_s10p5[7] 2400 2400 tgt_CurrTempOffSelX_DegC_s10p5[8] 2496 2496 tgt_CurrTempOffSelX_DegC_s10p5[9] 3552 3552 tgt_CurrTempOffSelX_DegC_s10p5[10] 3648 3648 tgt_CurrTempOffSelX_DegC_s10p5[11] 3936 3936				
tgt_CurrTempOffSetX_DegC_s10p5[5] 1920 1920 tgt_CurrTempOffSetX_DegC_s10p5[6] 2240 2240 tgt_CurrTempOffSetX_DegC_s10p5[7] 2400 2400 tgt_CurrTempOffSetX_DegC_s10p5[8] 2496 2496 tgt_CurrTempOffSetX_DegC_s10p5[9] 3552 3552 tgt_CurrTempOffSetX_DegC_s10p5[10] 3648 3648 tgt_CurrTempOffSetX_DegC_s10p5[11] 3936 3936				
tgt_CurrTempOffSelX_DegC_s10p5[6] 2240 2240 tgt_CurrTempOffSelX_DegC_s10p5[7] 2400 2400 tgt_CurrTempOffSelX_DegC_s10p5[8] 2496 2496 tgt_CurrTempOffSelX_DegC_s10p5[9] 3552 3552 tgt_CurrTempOffSelX_DegC_s10p5[10] 3648 3648 tgt_CurrTempOffSelX_DegC_s10p5[11] 3936 3936				
tgt_CurrTempOffSel.CurrTempOffSetX_DegC_s10p5[7] 2400 2400 tgt_CurrTempOffSel.CurrTempOffSelX_DegC_s10p5[8] 2496 2496 tgt_CurrTempOffSelX_DegC_s10p5[9] 3552 3552 tgt_CurrTempOffSelX_DegC_s10p5[10] 3648 3648 tgt_CurrTempOffSelX_DegC_s10p5[11] 3936 3936				
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[9] 3552 3552 tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[10] 3648 3648 tgt_CurrTempOffCal.CurrTempOffSetX_DegC_s10p5[11] 3936 3936				
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[10] 3648 3648 tgt_CurrTempOffSetX_DegC_s10p5[11] 3936 3936				
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[11] 3936 3936				
tat CurrTempOffCal,CurrTempOffsetX DeaC s10p5[12] 4256 4256				
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[13] 4544 4544	tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[12]			

CmMtrCurrTempOffset_Scom_Get

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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 -45		
tgt_Pim_CurrTempOffset.CurrOffsetY2_Volts_s4p11[15] tgt_Rte_Inst_Sa_CmMtrCurr.Pim_CurrTempOffset	tgt_Pim_CurrTempOffset		
		Fynastad Value	Danulé
Name	Actual Value	Expected Value	Result
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[0]	192	192	-
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[1]		512	
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[2]	512 832	832	-
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[3] tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	1152	1152	
tgt_CurrTempOffCal.CurrTempOffsetX_DegC_s10p5[4]	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 25	-
tgt_CurrTempOffCal.CurrOffsetY1_Volts_s4p11[15] tgt_CurrTempOffCal.CurrOffsetY2_Volts_s4p11[0]	25 -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	~

CmMtrCurr_SCom_ReadMtrCurrCals

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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)\NxtrLib\include -I\$(PROJECTROOT) \StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -l\$(PROJECTROOT)\CmMtrCurr\utp\contract -l\$(PROJECTROOT) \CmMtrCurr\utp\contract\Sa_CmMtrCurr -l\$(PROJECTROOT)\CmMtrCurr\include -l\$(PROJECTROOT)\NxtrLib\include -l\$(PROJECTROOT) \StdDef\include -l\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470 4.9.5\include

cification
Text
Unit Test Information** Name of Tester:Chandrakanth Sheegi Code File(s) Version:2 Module Design Document:CmMtrCurr_MDD.docx Module Design Document Version:2 Data Dictionary Version:2 Unit Test Plan Version:0 Unit Test Pla
T * NOONNELCONNETTESTO" N NNN N

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

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Attributes	
Name	Value
InitObjDir	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	<pre>\$(ProgramFiles)\pls\UDE 4.4</pre>
Time Unit	cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

CmMtrCurr_SCom_ReadMtrCurrCals



Test Case 1: Range Test

Specification

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

CPU Cycles:

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

Description

VECTOR DESCRIPTION:

TS1.1 All Min

TS1.2 All Max Rtte Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32==>Min Rte_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32==>Max TS1.3 TS1.5 Rte_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32==>Pos
TS1.6 Rte_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32==>Min
TS1.7 Rte_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32==>Max TS1.7 Rte_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32==>Max
TS1.8 Rte_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32==>Pos
TS1.9 Rte_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32==>Min
TS1.10 Rte_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32==>Max
TS1.11 Rte_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32==>Min
TS1.12 Rte_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32==>Min
TS1.13 Rte_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32==>Max
TS1.14 Rte_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32==>Pos
TS1.15 Rte_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32==>Max
TS1.16 Rte_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32==>Max IS1.16 Rte Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32==>Max
TS1.17 Rte Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32==>Pos
TS1.18 Rte Pim_ShCurCal.EOLMtrCurr1OffsetDiff_Volts_f32==>Min
TS1.19 Rte Pim_ShCurCal.EOLMtrCurr1OffsetDiff_Volts_f32==>Max
TS1.20 Rte Pim_ShCurCal.EOLMtrCurr1OffsetDiff_Volts_f32==>Pos
TS1.21 Rte Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Max
TS1.22 Rte Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Max
TS1.23 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos
TS1.23 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos
TS1.23 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos
TS1.23 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos
TS1.24 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos
TS1.25 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos
TS1.26 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos
TS1.27 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos
TS1.28 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos
TS1.29 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos
TS1.29 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos
TS1.29 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos
TS1.29 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos
TS1.29 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos
TS1.20 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos
TS1.20 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos
TS1.20 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos
TS1.20 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos
TS1.20 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos

TS1.20 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos

TS1.20 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos

TS1.20 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos

TS1.20 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos

TS1.20 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>Pos

TS1.20 Rte_Pim_ShCurCal.EOLMtrCurr2OffsetDiff_Volts_f32==>

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

CmMtrCurr_SCom_ReadMtrCurrCals

 $tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32$



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_Shourroair tr.Eocivitour ronsetbiii_voits_132	, and the second	1	

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

3

3 ± 0.0003

Test Step 1.3 (Repeat Count = 1)			
Name	Input Value		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
ShCurrCalPtr	tgt_ShCurrCalPtr		
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	0		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	2.331587493		
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	103.1557935		
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	122.0438949		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	3		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	2.935399234		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.974394143		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
Name	Actual Value	Expected Value	Result
tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32	0	0 ± 0.004	~
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	~

Τ					
Actual Function	Count	Expected Function	Count	Result	
none	0	*** No Call Expected ***	0	~	

Name	Innut Value		
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	23165.28666			
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	1	1			
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	100.2451305	100.2451305			
tgt_Pim_ShCurrCal.EOLPhscurr2Gain_AmpspVolt_f32	108.9961307	108.9961307			
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetLo_Volts_f32	1.667596102	1.667596102			
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	1.72209537	1.72209537			
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	2.579755306	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	~		

Τ				✓
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	2.068199933		
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetDiff_Volts_f32	3	3		
tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32	1.40227896	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					V
Actual Function	Count	Expected Function	Count	Resi	ılt
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		Expected Value	Result
tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32	PAZMANE	61979.98273 ± 0.004	~
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32	MACUCAL	2.5 ± 0.0003	~
tgt ShCurrCalPtr.EOLPhscurr1Gain AmpspVolt f32	54.4717789	54.471777	



Т					
Actual Function	Count	Expected Function	Count	Result	
none	0	*** No Call Expected ***	0	_	

Test Step 1.10 (Repeat Count = 1)			V
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	✓
tot ChCurrColDtr EOLMtrCurr2OffootDiff Volto f22	1 72244011	1 722440114 + 0 0002	

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

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	~
tat ShCurrCalPtr.EOLMtrCurr2OffsetDiff Volts f32	3	3 ± 0.0003	✓

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

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	~	



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	Coun	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	4

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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				V
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	✓

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



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	✓

Τ		✓		
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				V
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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CmMtrCurr_	_SCom_	_ReadMtrCurrCals	

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	✓

Τ			V	
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				V
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	~

CmMtrCurr_SCom_SetMtrCurrCals

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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)\NxtrLib\include -I\$(PROJECTROOT) \StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-DMTRCURRPHASEAB=STD_ON -D_DATA_ACCESS= -Dconst= -l\$(PROJECTROOT)\CmMtrCurr\utp\contract -l\$(PROJECTROOT) \CmMtrCurr\utp\contract\Sa_CmMtrCurr -l\$(PROJECTROOT)\CmMtrCurr\include -l\$(PROJECTROOT)\NxtrLib\include -l\$(PROJECTROOT) \StdDef\include -l\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470 4.9.5\include

Comments/Description/Spe	ecification
Name	Text
Module 'CmMtrCurr_MTRCURRPHASEAB_ON	Name of Tester:Chandrakanth Sheegi Code File(s) Under Test:Sa_CmMtrCurr.c Code File(s) Under Test:Sa_CmMtrCurr.d Dode File(s) Version:2 Module Design Document Version:2 Data Dictionary Version:2 Unit Test Plan Version:2 Unit Test Plan 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):30 Total CALS Used (Bytes):46 Special Test Requirements:NA Test Date:7723/2016 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_ MtrCurrSumLo_Volt_M_f32_ MtrCurrSumLo_Volt_M_f32_ MtrCurrSumLo_Volt_M_f32_ MtrCurrSumZero_Volt_M_f32_ cmMtrCurr_CurrOff/AvgCounter_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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Attributes	
Name	Value
InitObjDir	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>
InitSrcDir	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\src</pre>
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>
Makefile Template	<pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl</pre>
Target Install Path	<pre>\$(ProgramFiles)\pls\UDE 4.4</pre>
Time Unit	cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

CmMtrCurr_SCom_SetMtrCurrCals

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Test Case 1: Range Test

Specification

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

CPU Cycles:

TS1.1 494.00 Cycles

 $tgt_Pim_ShCurrCal.EOLMtrCurr2OffsetDiff_Volts_f32$

CmMtrCurr_SCom_SetMtrCurrCals



Name	Innut Value		
	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	✓
tot Pim ShCurrCal.EOLMtrCurr1OffsetDiff 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	~

3 ± 0.0003

3

Test Step 1.3 (Repeat Count = 1)			✓
Name	Input Value		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
ShCurrCalPtr	tgt_ShCurrCalPtr		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32	0		
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32	3		
tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32	47.09868979		
tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32	41.77004862		
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32	2.407941222		
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32	3		
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32	2.600753427		
Name	Actual Value	Expected Value	Result
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	0	0 ± 0.004	~
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3	3 ± 0.0003	~
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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	~

Test Step 1.4 (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 Expect	ed Value Result
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	80000 ±	0.004
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3 ± 0.000	03
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	112.491722 112.4917	7227 ± 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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	~

Test Step 1.5 (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	~

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	~

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	~



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	~

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	~

Name	Input Value		
Rte_Inst_Sa_CmMtrCurr	tgt_Rte_Inst_Sa_CmMtrCurr		
ShCurrCalPtr	tgt_ShCurrCalPtr		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal	tgt_Pim_ShCurrCal		
tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32	18097.35985		
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32	3		
tgt_ShCurrCalPtr.EOLPhscurr1Gain_AmpspVolt_f32	95.44120693		
tgt_ShCurrCalPtr.EOLPhscurr2Gain_AmpspVolt_f32	125		
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetLo_Volts_f32	2.498684645		
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetDiff_Volts_f32	2.888713241		
tgt_ShCurrCalPtr.EOLMtrCurr2OffsetDiff_Volts_f32	2.355309486		
Name	Actual Value	Expected Value	Result
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	18097.3594	18097.35985 ± 0.004	-
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3	3 ± 0.0003	✓
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	✓
tot Pim ShCurrCal FOI MtrCurr2OffsetDiff Volts f32	2 35530949	2 355309486 + 0 0003	✓

Т				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	~

Test Step 1.14 (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	✓

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



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	~

Name	Input Value		
Rte Inst Sa CmMtrCurr	tgt Rte Inst Sa CmMtrCurr		
ShCurrCalPtr	tgt_Nte_inst_3a_CinivitCun		
	tgt Pim ShCurrCal		
tgt_Rte_Inst_Sa_CmMtrCurr.Pim_ShCurrCal tgt_ShCurrCalPtr.EOLMtrCurrVcalCmd_VoltCnts_f32	48540.26911		
	1.140268624		
tgt_ShCurrCalPtr.EOLMtrCurr1OffsetLo_Volts_f32			
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	~

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	~



Count Result

CmMtrCurr_SCom_SetMtrCurrCals

Actual Function

Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock

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	~

Count Expected Function

Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock

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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	~

Test Step 1.22 (Repeat Count = 1)		<u> </u>
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 Expecto	ed Value Result
tgt_Pim_ShCurrCal.EOLMtrCurrVcalCmd_VoltCnts_f32	71212.3203 71212.3	1879 ± 0.004 ✓
tgt_Pim_ShCurrCal.EOLMtrCurr1OffsetLo_Volts_f32	3 ± 0.000)3
tgt_Pim_ShCurrCal.EOLPhscurr1Gain_AmpspVolt_f32	27.8245468 27.82454	4669 ± 0.002 ✓

CmMtrCurr_SCom_SetMtrCurrCals

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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				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	Rte_Call_Sa_CmMtrCurr_EOLShCurrCal_WriteBlock	1	~

Test Step 1.23 (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	~

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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 %

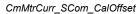
Statistics

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)\NxtrLib\include -I\$(PROJECTROOT) \StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtrLib\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)\NxtrLib\include -I\$(PROJECTROOT) \StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Spe	ecification
Name	Text





Module 'CmMtrCurr MTRCURRPHASEAB ON

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

Code File(s) Version:2
Module Design Document: CmMtrCurr_MDD.docx
Module Design Document Version:2
Data Dictionary Version:2
Unit Test Plan Version:2
Optimization Level: Level 2
Compiler (CodeGen) Version:TMS470_4.9.5
Model Type: Excel Macro
Model Version: Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.32
Total FLASH Used (Bytes):3176
Total RAM Used (Bytes):130
Total CALS Used (Bytes):46
Special Test Requirements:NA
Test Date: 7/23/2016

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

Note2:- ""CBD_Sandbox_dbg.map"" map file is embedded for reference.

Note3:-In function ""CmMtrCurr_Per3"" some variables are going out of range for some vectors,accepted by devloper variables are :-MtrCurr2SumHi_Volt_M_f32 , VecuSum_Volt_M_f32 , MtrCurr1SumLo_Volt_M_f32, MtrCurr2SumLo_Volt_M_f32, MtrCurr1SumZero_Volt_M_f32,MtrCurr2SumZero_Volt_M_f32, CmMtrCurr_CurrOffAvgCounter_Cnt_M_u16 .

Note4:-In function CurrDQPer1(), variables 'MtrCurrK1_Amps_f32' and 'MtrCurrK2_Amps_f32' are going to very large values."

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj</pre>
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Time Unit	cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CmMtrCurr_FDD1C_010.0_NoUTP\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



Test Case 1: Metrics Test

Specification

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

TC1.1 1036.00 Cycles TC1.2 1052.00 Cycles

Description

VECTOR DESCRIPTION:

 $TS1.1 \quad Shortest \ Execution \ Path==> (Abs_f32_m(MtrVel_MtrRadpS_T_f32) < k_MaxCurrOffMtrVel_RadpS_f32) = False \\ TS1.2 \quad "Longest \ Execution \ Path==> (Abs_f32_m(MtrVel_MtrRadpS_T_f32) < k_MaxCurrOffMtrVel_RadpS_f32) = True; \\ (VehSpd_Kph_T_f32 < FLT_EPSILON) = True \&\& (VhSpdValid_T_Cnt_lgc == TRUE) = False"$

Test Step 1.1 (Repeat Count = 1)			✓
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	0		
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrR	adpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kpl	n_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_	_Cnt_lgc_data	
k_MaxCurrOffMtrVel_RadpS_f32	10		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	-285		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	186		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	0	0	~
CmMtrCurr_SCom_CalOffset()	34	34	~
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(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_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~
Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc	1	Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc	1	✓

Test Step 1.2 (Repeat Count = 1)			✓	
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1			
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCu	rr_MtrVel_MtrRadpS_f32_data		
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCu	rr_VehSpd_Kph_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCu	rr_VhSpdValid_Cnt_lgc_data		
k_MaxCurrOffMtrVel_RadpS_f32	13	13		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	0			
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	0			
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	0			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~	
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1	1	~	
CmMtrCurr_SCom_CalOffset()	21	21	~	
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data)	1	1	✓	



Test Case 2: Range Test

Specification

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

CPU Cycles:

CPU Cycles:

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

Description

VECTOR DESCRIPTION:

TS2.1All Min TS2.2All Max

TS2.2All Max
TS2.3CurrentGainSvc_Cnt_M_lgc==>True
TS2.4CurrentGainSvc_Cnt_M_lgc==>False
TS2.5MtrVel_MtrRadpS_f32==>Min
TS2.6MtrVel_MtrRadpS_f32==>Pos
TS2.5MtrVel_MtrRadpS_f32==>Zero
TS2.5MtrVel_MtrRadpS_f32==>Zero
TS2.5MtrVel_MtrRadpS_f32==>Neg
TS2.10VhSpdValid_Cnt_lgc==>True
TS2.11VhSpdValid_Cnt_lgc==>False
TS2.12k_MaxCurrOffMtrVel_RadpS_f32==>Min
TS2.13k_MaxCurrOffMtrVel_RadpS_f32==>Max
TS2.14k_MaxCurrOffMtrVel_RadpS_f32==>Zero
TS2.16k_MaxCurrOffMtrVel_RadpS_f32==>Zero
TS2.16k_MaxCurrOffMtrVel_RadpS_f32==>Neg
TS2.17k_MaxCurrOffMtrVel_RadpS_f32==>Neg
TS2.17k_MaxCurrOffMtrVel_RadpS_f32==>Default
TS2.18VehSpd_Kph_f32==>Min

TS2.18VehSpd_Kph_f32==>Min TS2.19VehSpd_Kph_f32==>Max TS2.20VehSpd_Kph_f32==>Pos

Test Step 2.1 (Repeat Count = 1)			✓
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	0		
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCuri	_MtrVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCuri	_VehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCuri	_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	✓

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 2.2 (Repeat Count = 1)			✓
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1		
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCur	r_MtrVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCur	r_VehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCur	r_VhSpdValid_Cnt_lgc_data	
k_MaxCurrOffMtrVel_RadpS_f32	20		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	1118		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	255		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1	1	~
CmMtrCurr_SCom_CalOffset()	34	34	~
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(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_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc	1	~

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

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





Test Step 2.5 (Repeat Count = 1)			✓
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	0		
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCui	rr_MtrVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCui	rr_VehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCui	rr_VhSpdValid_Cnt_lgc_data	
k_MaxCurrOffMtrVel_RadpS_f32	-11.6234684		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	-1118		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	65.3249969		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	0		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	0	0	~
CmMtrCurr_SCom_CalOffset()	34	34	~
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(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_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~
Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc	1	Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc	1	✓

Test Step 2.6 (Repeat Count = 1)			✓
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1		
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_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	3.73730636		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	1118		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	98.6579971		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	0		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✓
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1	1	✓
CmMtrCurr_SCom_CalOffset()	34	34	~
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data)	1	1	✓

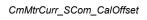
T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	•
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	•
Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc	1	Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc	1	✓

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Test Step 2.7 (Repeat Count = 1)			✓
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	0		
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_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	5.8294816		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	325.5		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	125.985001		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	0	0	✓
CmMtrCurr_SCom_CalOffset()	34	34	~
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_Igc(data)	0	0	✓





Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	✓
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	•
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc	1	✓

Test Step 2.10 (Repeat Count = 1)			✓
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1		
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_N	ftrVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr_V	ehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data		
k_MaxCurrOffMtrVel_RadpS_f32	2.42746878		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	2.98000002		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	0		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1	1	✓
CmMtrCurr_SCom_CalOffset()	34	34	~
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data)	1	1	✓

Τ				V
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	~
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc	1	✓

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

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 Igc	1	Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc	1	✓



Test Step 2.12 (Repeat Count = 1)			✓	
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1			
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCuri	_MtrVel_MtrRadpS_f32_data		
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCuri	_VehSpd_Kph_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data		
k_MaxCurrOffMtrVel_RadpS_f32	-20	-20		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	-987.650024			
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	65.5400009			
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	0			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~	
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1	1	✓	
CmMtrCurr_SCom_CalOffset()	34	34	~	
Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc(data)	1	1	✓	

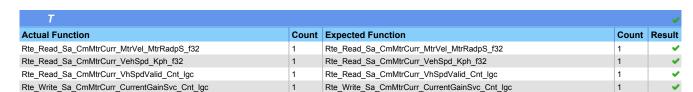
T				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	~
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc	1	Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc	1	~

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

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





Test Step 2.15 (Repeat Count = 1)			✓	
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	0			
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCuri	_MtrVel_MtrRadpS_f32_data		
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCuri	r_VehSpd_Kph_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCuri	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data		
k_MaxCurrOffMtrVel_RadpS_f32	0	0		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	25.6580009			
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	254.600006			
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~	
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	0	0	✓	
CmMtrCurr_SCom_CalOffset()	34	34	✓	
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data)	0	0	✓	

Τ				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	✓
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~
Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc	1	Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc	1	✓

Test Step 2.16 (Repeat Count = 1)			✓
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1		
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr	_MtrVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr	_VehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data		
k_MaxCurrOffMtrVel_RadpS_f32	-13.5		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	-98.1589966		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	9.80000019		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	0		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	✓
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1	1	✓
CmMtrCurr_SCom_CalOffset()	34	34	✓
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(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_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	•
Rte Write Sa CmMtrCurr CurrentGainSvc Cnt loc	1	Rte Write Sa CmMtrCurr CurrentGainSvc Cnt lgc	1	✓



Test Step 2.17 (Repeat Count = 1)			✓		
Name	Input Value				
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1	1			
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCur	r_MtrVel_MtrRadpS_f32_data			
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCur	tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data			
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCur	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data			
k_MaxCurrOffMtrVel_RadpS_f32	10	10			
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	2.98000002	2.98000002			
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	0				
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1				
Name	Actual Value	Expected Value	Result		
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1	1	~		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1	1	✓		
CmMtrCurr_SCom_CalOffset()	0	0	~		
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(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_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 2.18 (Repeat Count = 1)			✓		
Name	Input Value				
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	0	0			
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCur	r_MtrVel_MtrRadpS_f32_data			
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCur	tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data			
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCur	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data			
k_MaxCurrOffMtrVel_RadpS_f32	12	12			
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	11.1099997	11.1099997			
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	0				
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1				
Name	Actual Value	Expected Value	Result		
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1	1	~		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1	1	✓		
CmMtrCurr_SCom_CalOffset()	0	0	✓		
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(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_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 2.19 (Repeat Count = 1)			✓	
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1			
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr	_MtrVel_MtrRadpS_f32_data		
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr	tgt Rte Read Sa CmMtrCurr VehSpd Kph f32 data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data		
k_MaxCurrOffMtrVel_RadpS_f32	6.55960798	6.55960798		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	6.32499981			
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	255			
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	0			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~	
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1	1	~	
CmMtrCurr_SCom_CalOffset()	21	21	·	
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data)	1	1	✓	





Τ				✓
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_MtrR	adpS_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 (VehSpd_Kph_T_f32 < FLT_EPSILON) && (VhSpdValid_T_Cnt_lgc == TRUE))=True (PSILON) && (VhSpdValid_T_Cnt_lgc == TRUE))=True (PSILON) && (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	tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data		
k_MaxCurrOffMtrVel_RadpS_f32	-20	-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	✓	



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 3.2 (Repeat Count = 1)			✓	
Name	Input Value			
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1			
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr	_MtrVel_MtrRadpS_f32_data		
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCurr	tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data		
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data			
k_MaxCurrOffMtrVel_RadpS_f32	16.7347775			
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	5	5		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	31.509201			
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1			
Name	Actual Value	Expected Value	Result	
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	0	0	~	
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1	1	✓	
CmMtrCurr_SCom_CalOffset()	21	21	~	
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data)	1	1	✓	

Τ			V	
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32	1	~
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32	1	✓
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	~
Rte Write Sa CmMtrCurr CurrentGainSvc Cnt Igc	1	Rte Write Sa CmMtrCurr CurrentGainSvc Cnt lgc	1	✓

Test Step 3.3 (Repeat Count = 1)			✓
Name	Input Value		
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc	1		
Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32(data)	tgt_Rte_Read_Sa_CmMtrCur	r_MtrVel_MtrRadpS_f32_data	
Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32(data)	tgt_Rte_Read_Sa_CmMtrCur	r_VehSpd_Kph_f32_data	
Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc(data)	tgt_Rte_Read_Sa_CmMtrCur	r_VhSpdValid_Cnt_lgc_data	
k_MaxCurrOffMtrVel_RadpS_f32	2.42746878		
tgt_Rte_Read_Sa_CmMtrCurr_MtrVel_MtrRadpS_f32_data	2		
tgt_Rte_Read_Sa_CmMtrCurr_VehSpd_Kph_f32_data	0		
tgt_Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc_data	1		
Name	Actual Value	Expected Value	Result
CmMtrCurr_CurrOffTrimFlag_Cnt_M_lgc	1	1	~
CmMtrCurr_CurrentGainSvc_Cnt_M_lgc 1		1	✓
CmMtrCurr_SCom_CalOffset()	rCurr_SCom_CalOffset() 0 0		~
Rte_Write_Sa_CmMtrCurr_CurrentGainSvc_Cnt_lgc(data)	lata) 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_lgc	1	Rte_Read_Sa_CmMtrCurr_VhSpdValid_Cnt_lgc	1	•
Rte Write Sa CmMtrCurr CurrentGainSvc Cnt loc	1	Rte Write Sa CmMtrCurr CurrentGainSvc Cnt lgc	1	✓



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

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

Τ			✓	
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	•

CmMtrCurr_SCom_MtrCurrOffReadStatus

2016-07-24, 11:58:16+0530



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)\NxtrLib\include -I\$(PROJECTROOT) \StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtrLib\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)\NxtrLib\include -I\$(PROJECTROOT) \StdDef\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Namo	Taxt
Module CmMtrCurr_MTRCURRPHASEAB_ON	Name of Tester:Chandrakanth Sheegi Code File(s) Under Test:Sa_CmMtrCurr.c Code File(s) Version:2 Module Design Document:CmMtrCurr_MDD.docx Module Design Document Version:2 Data Dictionary Version:2 Unit Test Plan Version:2 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.32 Total FLASH Used (Bytes):3176 Total FLASH Used (Bytes):3176 Total RAM Used (Bytes):46 Special Test Requirements:NA Test Date:7/23/2016 Comments: "Note1: Inline functions defined in globalmacro.h are not unit tested. Note2:- ""CBD_Sandbox_dbg.map"" map file is embedded for reference. Note3:- In function ""CmMtrCurr_Per3"" some variables are going out of range for some vectors, accepted by devloper variables are :- MtrCurr2SumPli Volt M f32 VerySum Volt M f32 MtrCurr2Suml o Volt M f32 MtrCurr2Suml o Volt M f32
	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, MtrCurr2SumLo_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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CmMtrCurr_SCom_MtrCurrOffReadStatus

Attributes				
Name	Value			
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj			
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src			
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>			
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.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			



CmMtrCurr_SCom_MtrCurrOffReadStatus

Test Case 1: Range Test

Specification

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

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

VECTOR DESCRIPTION: Description

TS1.1 CurroffProcessFlag_M_enum=CURROFF_INIT
TS1.2 CurroffProcessFlag_M_enum=CURROFF_PROCESSING
TS1.3 CurroffProcessFlag_M_enum=CURROFF_PASS
TS1.4 CurroffProcessFlag_M_enum=CURROFF_FAIL

Test Step 1.1 (Repeat Count = 1)			✓
Name	Input Value		
CmMtrCurr_CurroffProcessFlag_M_enum	0		
CurrOffStatus	tgt_CurrOffStatus		
Name	Actual Value	Expected Value	Result
tgt_CurrOffStatus	0	0	✓

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	~

Т				✓
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	~