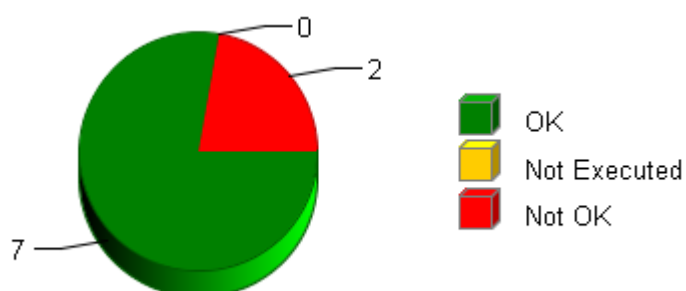


Summary

Total Test Objects: 9
Successful: 7
Failed: 2
Not Executed: 0
Date: 2014-08-22
Time: 18:11:05+0530

Overall Test Object Results (including Coverage)



Selected Project Items

Test Object "CBD_UnitTest/DigHwTrqSENT/DigHwTrqSENT_Init1"
 Test Object "CBD_UnitTest/DigHwTrqSENT/DigHwTrqSENT_Per1"
 Test Object "CBD_UnitTest/DigHwTrqSENT/DigHwTrqSENT_Per2"
 Test Object "CBD_UnitTest/DigHwTrqSENT/DigHwTrqSENT_Per3"
 Test Object "CBD_UnitTest/DigHwTrqSENT/DigHwTrqSENT_SCom_ClrTrqTrim"
 Test Object "CBD_UnitTest/DigHwTrqSENT/DigHwTrqSENT_SCom_SetTrqTrim"
 Test Object "CBD_UnitTest/DigHwTrqSENT/DigHwTrqSENT_SCom_TrimData"
 Test Object "CBD_UnitTest/DigHwTrqSENT/DigHwTrqSENT_SCom_WriteData"
 Test Object "CBD_UnitTest/DigHwTrqSENT/TrimNotPerfDiag"

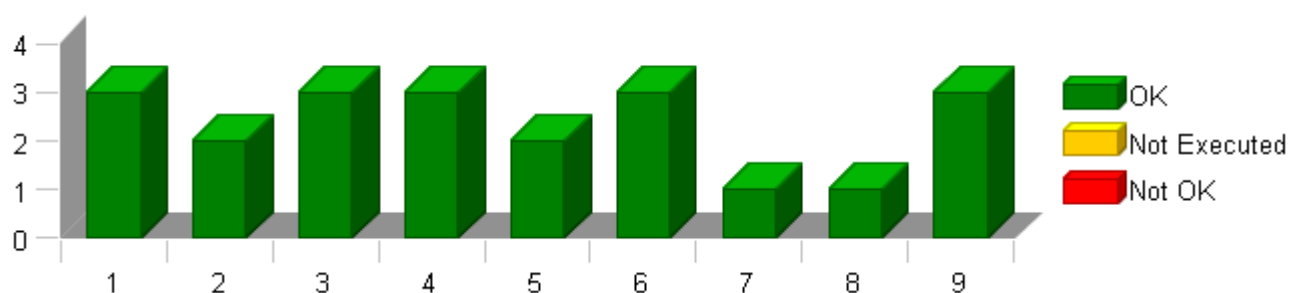
Used Test Environments

TI TMS 570 PLS UDE (Default)

Batch Operation Settings

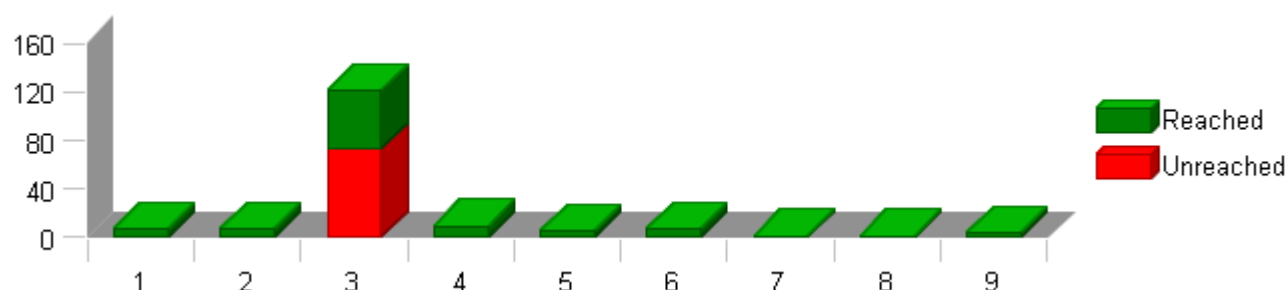
Check Interface: No
Generate Driver: Yes
Execute Test: Yes
Create New Test Run: No
Instrumentation: Test Object and Called Functions
Coverage: Statement Coverage, Branch Coverage, Decision Coverage, Modified Condition / Decision Coverage, Multiple Condition Coverage

Test Case Results for Each Test Object (without Coverage)



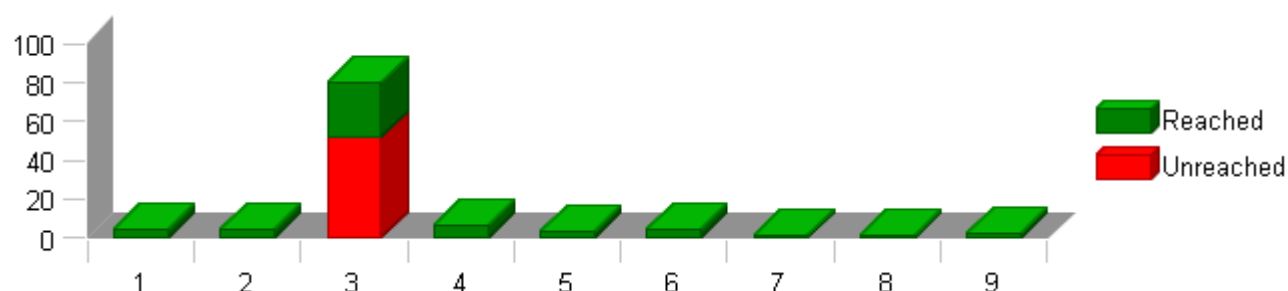
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object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



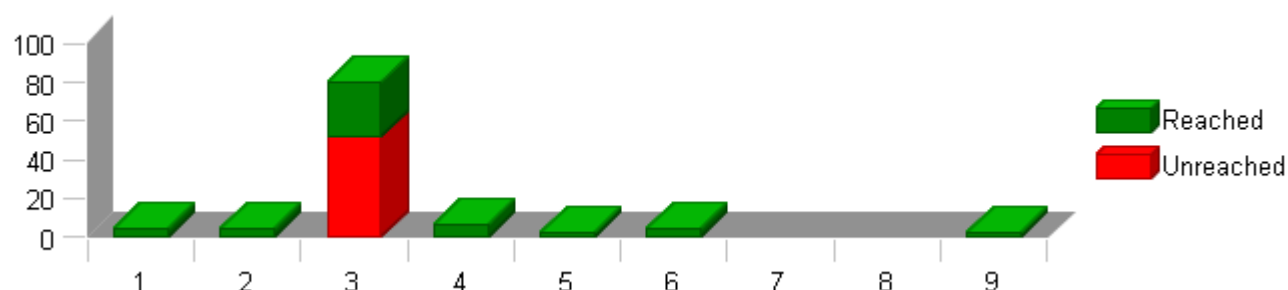
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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.

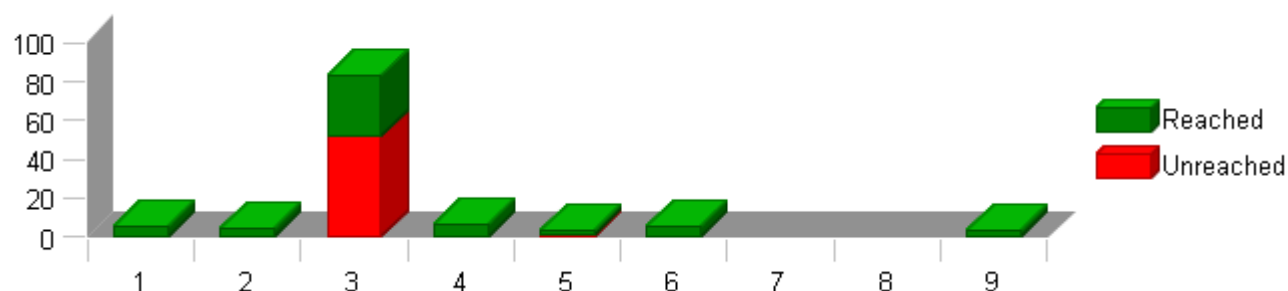
Decision Coverage: Total Decision Outcomes for Each Test Object



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.

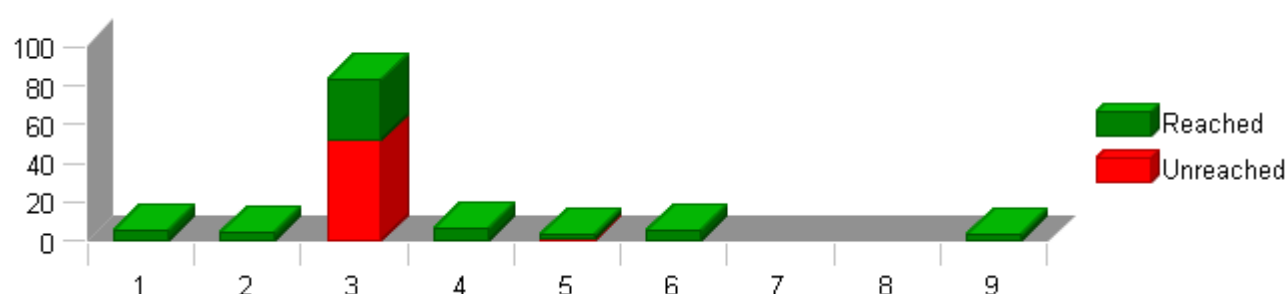
MC/DC Coverage: Total Condition Combinations for Each Test Object



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
	CBD_DigHwTrqSENT	54.65 %	50.47 %	49.01 %	51.37 %	51.37 %	21 of 21 passed	✖
	CBD_UnitTest	54.65 %	50.47 %	49.01 %	51.37 %	51.37 %	21 of 21 passed	✖
	DigHwTrqSENT	54.65 %	50.47 %	49.01 %	51.37 %	51.37 %	21 of 21 passed	✖
1	DigHwTrqSENT_Init1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
2	DigHwTrqSENT_Per1	100 %	100 %	100 %	100 %	100 %	2 of 2 passed	✓
3	DigHwTrqSENT_Per2	39.66 %	35 %	35 %	37.34 %	37.34 %	3 of 3 passed	✖
4	DigHwTrqSENT_Per3	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
5	DigHwTrqSENT_SCom_ClrTrqTrim	100 %	100 %	100 %	66.66 %	66.66 %	2 of 2 passed	✖
6	DigHwTrqSENT_SCom_SetTrqTrim	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
7	DigHwTrqSENT_SCom_TrimData	100 %	100 %	-	-	-	1 of 1 passed	✓
8	DigHwTrqSENT_SCom_WriteData	100 %	100 %	-	-	-	1 of 1 passed	✓
9	TrimNotPerfDiag	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓

TEST DETAILS REPORT

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DigHwTrqSENT_SCom_ClrTrqTrim



Project	CBD_DigHwTrqSENT
Module	DigHwTrqSENT
Test Object	DigHwTrqSENT_SCom_ClrTrqTrim

Instrumentation: Test Object and Called Functions

Statement (C0) Coverage	100 %
Decision Coverage	100 %
Branch (C1) Coverage	100 %
MCC Coverage	66.66 %
MC/DC Coverage	66.66 %

Statistics

Total Testcases	2
Successful	2 ✓
Failed	0
Not Executed	0

Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_DigHwTrqSENT
Configuration File	D:\Synergy_Work_Area\CBD_DigHwTrqSENT\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)\DigHwTrqSENT\src\Sa_DigHwTrqSENT.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_OFF -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include \TMS570_HerculesRegs -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_OFF -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include \TMS570_HerculesRegs -I\$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
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TEST DETAILS REPORT

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DigHwTrqSENT_SCom_ClrTrqTrim

Module 'DigHwTrqSENT'

*****UNIT TEST DESCRIPTION*****

Name of Tester: Ankita Bhardwaj
Code File(s) Under Test: Sa_DigHwTrqSENT.c
Code File(s) Version: 8
Module Design Document: DigHwTrqSENT_MDD.docx
Module Design Document Version: 11
Data Dictionary Version: 8
Unit Test Plan Version: 5
Optimization Level: Level 2
Compiler (CodeGen) Version: TMS570_4.9.5
Model Type: Excel Macro
Model Version: Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.30
Total FLASH Used (Bytes): 1638
Total RAM Used (Bytes): 84
Total CALS Used (Bytes): 108
Special Test Requirements:
Test Date: 8/22/2014
Comments: "NOTE1: Inline functions declared in GlobalMacro.h are not Unit Tested."

NOTE2: "CBD_Sandbox_dbg.map" map file is embedded for reference.

NOTE3: Low MC/DC coverage in function ""DigHwTrqSENT_SCom_ClrTrqTrim"" as the path ""if(D_TRIMNOTPERFORMED_CNT_LGC == Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc)"" at line number 1210 of source code cannot be made FALSE which has been called in function ""TrimNotPerfDiag"" as ""Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc"" gets updated with const ""D_TRIMNOTPERFORMED_CNT_LGC"" having value FALSE always."

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 3.2
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\CBD_DigHwTrqSENT\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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DigHwTrqSENT_SCom_ClrTrqTrim



Test Case 1: Metrics Test

Specification	Performance Metrics: (With "None" instrumentation and WithPS Environment) CPU Cycles: TS1.1 1260.00 Cycles TS1.2 1261.00 Cycles
Description	Vector Description: TS1.1 "Shortest Execution Path: if((D_TRIMNOTPERFORMED_CNT_LGC == Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc) && (D_MFGMODE_CNT_ENUM != MECCounter_Cnt_T_enum))=TRUE" TS1.2 "Longest Execution Path: if((D_TRIMNOTPERFORMED_CNT_LGC == Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc) && (D_MFGMODE_CNT_ENUM != MECCounter_Cnt_T_enum))=FALSE"

Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	0		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_ClrTrqTrim()	0	0	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	0	0 ± 0.00048828125	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0	0	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	1		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_ClrTrqTrim()	0	0	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	0	0 ± 0.00048828125	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0	0	✓

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

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DigHwTrqSENT_SCom_ClrTrqTrim



Test Case 2: Boundary Test

Specification

Performance Metrics:
(With "None" instrumentation and WithPS Environment)

CPU Cycles:

TS2.1 1259.00 Cycles
TS2.2 1259.00 Cycles
TS2.3 1261.00 Cycles
TS2.4 1261.00 Cycles
TS2.5 1259.00 Cycles
TS2.6 1259.00 Cycles
TS2.7 1259.00 Cycles

Description

Vector Description:

TS2.1 MECCounter_Cnt_enum = ProductionMode
TS2.2 MECCounter_Cnt_enum = EngineeringMode
TS2.3 MECCounter_Cnt_enum = ManufacturingMode
TS2.4 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc =Min
TS2.5 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc =Max
TS2.6 All Min
TS2.7 All Max

Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	0		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_ClrTrqTrim()	0	0	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	0	0 ± 0.00048828125	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0	0	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.2 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	2

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_ClrTrqTrim()	0	0	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	0	0 ± 0.00048828125	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0	0	✓

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.3 (Repeat Count = 1)

Name	Input Value
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT

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DigHwTrqSENT_SCom_ClrTrqTrim

Name	Input Value		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	1		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_ClrTrqTrim()	0	0	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	0	0 ± 0.00048828125	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0	0	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.4 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCCounter_Cnt_enum_data		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCCounter_Cnt_enum_data	1		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_ClrTrqTrim()	0	0	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	0	0 ± 0.00048828125	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0	0	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.5 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCCounter_Cnt_enum_data		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCCounter_Cnt_enum_data	2		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_ClrTrqTrim()	0	0	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	0	0 ± 0.00048828125	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0	0	✓

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

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DigHwTrqSENT_SCom_ClrTrqTrim

Test Step 2.6 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	0		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_ClrTrqTrim()	0	0	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	0	0 ± 0.00048828125	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0	0	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.7 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	2		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_ClrTrqTrim()	0	0	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32		0 ± 0.00048828125	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0	0	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

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DigHwTrqSENT_Per2



Project	CBD_DigHwTrqSENT
Module	DigHwTrqSENT
Test Object	DigHwTrqSENT_Per2

Instrumentation: Test Object and Called Functions

Statement (C0) Coverage	39.66 %
Decision Coverage	35 %
Branch (C1) Coverage	35 %
MCC Coverage	37.34 %
MC/DC Coverage	37.34 %

Statistics

Total Testcases	3
Successful	3 ✓
Failed	0
Not Executed	0

Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_DigHwTrqSENT
Configuration File	D:\Synergy_Work_Area\CBD_DigHwTrqSENT\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)\DigHwTrqSENT\src\Sa_DigHwTrqSENT.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_OFF -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include \TMS570_HerculesRegs -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_OFF -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include \TMS570_HerculesRegs -I\$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
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DigHwTrqSENT_Per2

Module 'DigHwTrqSENT'

*****UNIT TEST DESCRIPTION*****

Name of Tester: Ankita Bhardwaj
Code File(s) Under Test: Sa_DigHwTrqSENT.c
Code File(s) Version: 8
Module Design Document: DigHwTrqSENT_MDD.docx
Module Design Document Version: 11
Data Dictionary Version: 8
Unit Test Plan Version: 5
Optimization Level: Level 2
Compiler (CodeGen) Version: TMS570_4.9.5
Model Type: Excel Macro
Model Version: Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.30
Total FLASH Used (Bytes): 1638
Total RAM Used (Bytes): 84
Total CALS Used (Bytes): 108
Special Test Requirements:
Test Date: 8/22/2014
Comments: NOTE1: Inline functions declared in GlobalMacro.h are not Unit Tested.

NOTE2: "CBD_Sandbox_dbg.map" map file is embedded for reference.

NOTE3: Low MC/DC coverage in function ""DigHwTrqSENT_SCom_ClrTrqTrim"" as the path ""if(D_TRIMNOTPERFORMED_CNT_LGC == Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc) "" at line number 1210 of source code cannot be made FALSE which has been called in function ""TrimNotPerfDiag"" as ""Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc "" gets updated with const ""D_TRIMNOTPERFORMED_CNT_LGC"" having value FALSE always."

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 3.2
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\CBD_DigHwTrqSENT\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



```
f32)>=( -k_T1vsT2TrqSum_HwNm_f32))=>True
CLPFOutLim_HwNm_f32))=>True
TrqSum_HwNm_T_f32, -k_T1vsT2TrqSum_HwNm_f32,
T_CMCFiltOut_HwNm_M_f32, -k_CMCLPFOutLim_HwNm_f32,
n_f32)
_HwNm_f32) )=TRUE
DTHISOPCYCLE_CNT_U08) == D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ||
DANDFAILEDTHISOPCYCLE_CNT_U08) ==
AILEDTHISOPCYCLE_CNT_U08) ==
UE"
m_HwNm_M_f32 = Limit_m(TmpTrqSum_HwNm_T_f32, -
_HwNm_f32)=FALSE
T_CMCFiltOut_HwNm_M_f32, -k_CMCLPFOutLim_HwNm_f32,
n_f32)
_HwNm_f32) )=FALSE
DTHISOPCYCLE_CNT_U08) == D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ||
DANDFAILEDTHISOPCYCLE_CNT_U08) ==
AILEDTHISOPCYCLE_CNT_U08) ==
LSE"
```

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DigHwTrqSENT_Per2

Name	Input Value
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	0
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	4.39192629	4.39192724 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.58558929	0.58558929 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	4.39192629	4.39192724 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.230000004	0.230000004 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	3.81839991	3.81839991 ± 0.0024414	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓	
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓	

Test Step 1.2 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-3
DigHwTrqSENT_HwTrq_HwNm_M_f32	-9.39120007
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-4
DigHwTrqSENT_T1_HwNm_M_f32	10
DigHwTrqSENT_T2_HwNm_M_f32	0.617999971
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.60800004
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.144700006
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.9209995
DigHwTrqSENT_TrqSum_HwNm_M_f32	-17.7329998
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	11.9969997
k_T1T2SSLim_HwNm_f32	7.77159977
k_T1T2TransFiltLim_HwNm_f32	5.97359991
k_T1vsT2TrqSum_HwNm_f32	13.6700001
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957

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DigHwTrqSENT_Per2

Name	Input Value		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-1.01761389	-1.01761353 ± 0.000976	✔
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.290499747	0.290499777 ± 0.0000009	✔
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-1.01761389	-1.01761353 ± 0.000976	✔
DigHwTrqSENT_TrqSum_HwNm_M_f32	5.30900002	5.30900002 ± 0.000976	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc.value	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-9.39120007	-9.39120007 ± 0.0024414	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓	
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓	

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DigHwTrqSENT_Per2

Test Case 2: Path Test

Specification

Performance Metrics:
(With "None" instrumentation and WithPS
Environment)

CPU Cycles:

TC2.1 1719.00 Cycles
TC2.2 1716.00 Cycles
TC2.3 1725.00 Cycles
TC2.4 1721.00 Cycles
TC2.5 1719.00 Cycles
TC2.6 1709.00 Cycles
TC2.7 1705.00 Cycles

Description

Vector Description:

TC2.1"(AbsSSFiltOut_HwNm_T_f32 >= k_T1T2SSLim_HwNm_f32)=FALSE (AbsSumFiltOut_HwNm_T_f32 >=
k_T1T2TransFiltLim_HwNm_f32)) = TRUE,((T1vsT2Status_Cnt_T_u08 & D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ==
D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08)= FALSE ||
(TrqSensorNotTrimmedStatus_Cnt_T_u08 & D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ==
D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08)=TRUE||
(PriSnrTrqStorStatus_Cnt_T_u08& D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ==
D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08)"
TC2.2"(AbsSSFiltOut_HwNm_T_f32 >= k_T1T2SSLim_HwNm_f32)=FALSE (AbsSumFiltOut_HwNm_T_f32 >=
k_T1T2TransFiltLim_HwNm_f32)) = FALSE,((T1vsT2Status_Cnt_T_u08 & D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ==
D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08)= FALSE ||
(TrqSensorNotTrimmedStatus_Cnt_T_u08 & D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ==
D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08)=FALSE ||
(PriSnrTrqStorStatus_Cnt_T_u08& D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ==
D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08)=FALSE"
TC2.3((AbsSSFiltOut_HwNm_T_f32 >= k_T1T2SSLim_HwNm_f32)=TRUE (AbsSumFiltOut_HwNm_T_f32 >=
k_T1T2TransFiltLim_HwNm_f32)) ,
TC2.4DigHwTrqSENT_TrqSum_HwNm_M_f32 = Limit_m(TmpTrqSum_HwNm_T_f32, -k_T1vsT2TrqSum_HwNm_f32,
k_T1vsT2TrqSum_HwNm_f32)= FALSE,CorrDiagFiltOut_HwNm_T_f32 = Limit_m(DigHwTrqSENT_CMCFiltOut_HwNm_M_f32, -
k_CMCLPFOutLim_HwNm_f32, k_CMCLPFOutLim_HwNm_f32) = FALSE
TC2.5"((T1vsT2Status_Cnt_T_u08 & D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ==
D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08)= FALSE ||
(TrqSensorNotTrimmedStatus_Cnt_T_u08 & D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ==
D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08)=FALSE ||
(PriSnrTrqStorStatus_Cnt_T_u08& D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ==
D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08))= TRUE"
TC2.6"((T1vsT2Status_Cnt_T_u08 & D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ==
D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08)= TRUE||
(TrqSensorNotTrimmedStatus_Cnt_T_u08 & D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ==
D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08)||
(PriSnrTrqStorStatus_Cnt_T_u08& D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ==
D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08)"
TC2.7DigHwTrqSENT_TrqSum_HwNm_M_f32 = Limit_m(TmpTrqSum_HwNm_T_f32, -k_T1vsT2TrqSum_HwNm_f32,
k_T1vsT2TrqSum_HwNm_f32)==>True

Test Step 2.1 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	8.79520035
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.88240004
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	2.86500001
DigHwTrqSENT_T1_HwNm_M_f32	-0.00270000007
DigHwTrqSENT_T2_HwNm_M_f32	-7.47300005
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-11
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.422800004
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	5.39870024
DigHwTrqSENT_TrqSum_HwNm_M_f32	6.05100012
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	6.39699984
k_T1T2SSLim_HwNm_f32	4.87480021
k_T1T2TransFiltLim_HwNm_f32	3.75679994
k_T1vsT2TrqSum_HwNm_f32	4.42999983
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205

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Name	Input Value
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	39322
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	12227
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	15237
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	18248
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21258
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	24269
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-10.4838295	-10.4838295 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.07107687	0.0710768402 ± 0.00000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-10.4838295	-10.4838295 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-3.73784995	-3.73784995 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	5.88240004	5.88240004 ± 0.0024414	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

Test Step 2.2 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	8.51920033
DigHwTrqSENT_HwTrq_HwNm_M_f32	-5.67600012
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-2.33400011
DigHwTrqSENT_T1_HwNm_M_f32	0.298000008
DigHwTrqSENT_T2_HwNm_M_f32	7.01599979
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	11
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.41139999
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-5.20959997
DigHwTrqSENT_TrqSum_HwNm_M_f32	-5.51999998
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	6.17299986
k_T1T2SSLim_HwNm_f32	4.70440006
k_T1T2TransFiltLim_HwNm_f32	3.62639999
k_T1vsT2TrqSum_HwNm_f32	4.01000023
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055

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Name	Input Value		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	8.77799034	8.77799034 ± 0.000976	✔
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.30260241	0.30260241 ± 0.0000009	✔
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	8.77799034	8.77799034 ± 0.000976	✔
DigHwTrqSENT_TrqSum_HwNm_M_f32	3.65699983	3.65700006 ± 0.000976	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc.value	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-5.67600012	-5.67600012 ± 0.0024414	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓	
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓	

Test Step 2.3 (Repeat Count = 1)			✔
Name	Input Value		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-20		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-10		
DigHwTrqSENT_SSDFiltOut_HwNm_M_f32	-20		
DigHwTrqSENT_T1_HwNm_M_f32	-10		
DigHwTrqSENT_T2_HwNm_M_f32	-10		
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-20		
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-20		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-20		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_CMCLPFOutLim_HwNm_f32	0		
k_T1T2SSLim_HwNm_f32	0		
k_T1T2TransFiltLim_HwNm_f32	0		
k_T1vsT2TrqSum_HwNm_f32	0		
t_T1T2DepTrsTimecon_Hz_u6p10[0]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[1]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[2]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[3]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[4]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[5]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[6]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[7]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[8]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[9]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[10]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[11]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[12]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[13]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[14]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[15]	0		

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Name	Input Value		
t_T1T2DepTrsTimecon_Hz_u6p10[16]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-20	-20 ± 0.000976	✔
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0	0 ± 0.000009	✔
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-20	-20 ± 0.000976	✔
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0	0 ± 0.000976	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-10	-10 ± 0.0024414	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

Test Step 2.4 (Repeat Count = 1)	
Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-3
DigHwTrqSENT_HwTrq_HwNm_M_f32	-9.39120007
DigHwTrqSENT_SSDiagFiltOut_HwNm_M_f32	-4
DigHwTrqSENT_T1_HwNm_M_f32	-6.61810017
DigHwTrqSENT_T2_HwNm_M_f32	6.09800005
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.60800004
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.144700006
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.9209995
DigHwTrqSENT_TrqSum_HwNm_M_f32	-17.7329998
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	11.9969997
k_T1T2SSLim_HwNm_f32	7.77159977
k_T1T2TransFitLim_HwNm_f32	5.97359991
k_T1vsT2TrqSum_HwNm_f32	13.6700001
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082

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DigHwTrqSENT_Per2

Name	Input Value		
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987		
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.19120049	-3.19120049 ± 0.000976	✔
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✔
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-3.19120049	-3.19120049 ± 0.000976	✔
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.260050058	-0.260049999 ± 0.000976	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc.value	0	0	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-9.39120007	-9.39120007 ± 0.0024414	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

Test Step 2.5 (Repeat Count = 1)	
Name	Input Value
DigHwTrqSENT_CMCFFiltOut_HwNm_M_f32	-5
DigHwTrqSENT_HwTrq_HwNm_M_f32	-1.54799998
DigHwTrqSENT_SSDFiltOut_HwNm_M_f32	-4.15700006
DigHwTrqSENT_T1_HwNm_M_f32	-0.145999998
DigHwTrqSENT_T2_HwNm_M_f32	0
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-4.15700006
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.183400005
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-1.42760003
DigHwTrqSENT_TrqSum_HwNm_M_f32	-4.45800018
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	1.69299996
k_T1T2SSLim_HwNm_f32	1.29639995
k_T1T2TransFiltLim_HwNm_f32	1.01839995
k_T1vsT2TrqSum_HwNm_f32	9.39999962
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679

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Name	Input Value		
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471		
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263		
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.48013163	-3.48013186 ± 0.000976	✔
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.165736616	0.165736586 ± 0.0000009	✔
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-3.48013163	-3.48013186 ± 0.000976	✔
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.0729999989	-0.0729999989 ± 0.000976	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc.value	0	0	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-1.54799998	-1.54799998 ± 0.0024414	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

Test Step 2.6 (Repeat Count = 1)	
Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	1.34319997
DigHwTrqSENT_HwTrq_HwNm_M_f32	-0.309599996
DigHwTrqSENT_SSDFiltOut_HwNm_M_f32	-0.82099998
DigHwTrqSENT_T1_HwNm_M_f32	10
DigHwTrqSENT_T2_HwNm_M_f32	0.617999971
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-0.82099998
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.115000002
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-0.293000013
DigHwTrqSENT_TrqSum_HwNm_M_f32	-1.27199996
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	0.349000007
k_T1T2SSLim_HwNm_f32	0.273999989
k_T1T2TransFiltLim_HwNm_f32	0.236000001
k_T1vsT2TrqSum_HwNm_f32	5.80000019
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489

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Name	Input Value		
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980		
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472		
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964		
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	39322		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	39526		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	39731		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-0.336869925	-0.336869925 ± 0.000976	✔
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0789771676	0.0789771751 ± 0.00000009	✔
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-0.336869925	-0.336869925 ± 0.000976	✔
DigHwTrqSENT_TrqSum_HwNm_M_f32	5.30900002	5.30900002 ± 0.000976	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-0.309599996	-0.309599996 ± 0.0024414	✔

T	✓
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DigHwTrqSENT_Per2

Name	Input Value		
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273		
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177		
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082		
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987		
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	4.39192629	4.39192724 ± 0.000976	✔
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.58558929	0.58558929 ± 0.0000009	✔
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	4.39192629	4.39192724 ± 0.000976	✔
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.230000004	0.230000004 ± 0.000976	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc.value	0	0	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	3.81839991	3.81839991 ± 0.0024414	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓	
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓	

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DigHwTrqSENT_Per2



Test Case 3: Boundary Test



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DigHwTrqSENT_Per2

Specification	Performance Metrics: (With "None" instrumentation and WithPS Environment)	
	CPU Cycles:	
	TC3.1	1726.00 Cycles
	TC3.2	1711.00 Cycles
	TC3.3	1711.00 Cycles
	TC3.4	1710.00 Cycles
	TC3.5	1710.00 Cycles
	TC3.6	1710.00 Cycles
	TC3.7	1720.00 Cycles
	TC3.8	1718.00 Cycles
	TC3.9	1718.00 Cycles
	TC3.10	1718.00 Cycles
	TC3.11	1718.00 Cycles
	TC3.12	1718.00 Cycles
	TC3.13	1718.00 Cycles
	TC3.14	1718.00 Cycles
	TC3.15	1709.00 Cycles
	TC3.16	1710.00 Cycles
	TC3.17	1710.00 Cycles
	TC3.18	1715.00 Cycles
	TC3.19	1710.00 Cycles
	TC3.20	1710.00 Cycles
	TC3.21	1704.00 Cycles
	TC3.22	1724.00 Cycles
	TC3.23	1714.00 Cycles
	TC3.24	1723.00 Cycles
	TC3.25	1718.00 Cycles
	TC3.26	1718.00 Cycles
	TC3.27	1724.00 Cycles
	TC3.28	1724.00 Cycles
	TC3.29	1724.00 Cycles
	TC3.30	1724.00 Cycles
	TC3.31	1715.00 Cycles
	TC3.32	1714.00 Cycles
	TC3.33	1716.00 Cycles
	TC3.34	1714.00 Cycles
	TC3.35	1715.00 Cycles
	TC3.36	1714.00 Cycles
	TC3.37	1715.00 Cycles
	TC3.38	1714.00 Cycles
	TC3.39	1714.00 Cycles
	TC3.40	1709.00 Cycles
	TC3.41	1715.00 Cycles
	TC3.42	1714.00 Cycles
	TC3.43	1714.00 Cycles
	TC3.44	1714.00 Cycles
	TC3.45	1715.00 Cycles
	TC3.46	1715.00 Cycles
	TC3.47	1724.00 Cycles
	TC3.48	1724.00 Cycles
	TC3.49	1722.00 Cycles
	TC3.50	1715.00 Cycles
	TC3.51	1715.00 Cycles
	TC3.52	1713.00 Cycles
	TC3.53	1709.00 Cycles
	TC3.54	1719.00 Cycles
	TC3.55	1709.00 Cycles
	TC3.56	1714.00 Cycles
	TC3.57	1713.00 Cycles
	TC3.58	1713.00 Cycles
	TC3.59	1709.00 Cycles
	TC3.60	1714.00 Cycles
	TC3.61	1714.00 Cycles
	TC3.62	1709.00 Cycles
	TC3.63	1710.00 Cycles
	TC3.64	1722.00 Cycles
	TC3.65	1721.00 Cycles
	TC3.66	1721.00 Cycles

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Description

Vector Description:

TC3.1All Min
TC3.2All Max
TC3.3T1_HwNm_M_f32 = Min
TC3.4T1_HwNm_M_f32 = Max
TC3.5T1_HwNm_M_f32 = Zero
TC3.6T1_HwNm_M_f32 = Pos
TC3.7T1_HwNm_M_f32 = Neg
TC3.8T2_HwNm_M_f32 = Min
TC3.9T2_HwNm_M_f32 = Max
TC3.10T2_HwNm_M_f32 = Zero
TC3.11T2_HwNm_M_f32 = Pos
TC3.12T2_HwNm_M_f32 = Neg
TC3.13TrqSum_HwNm_M_f32 = Min
TC3.14TrqSum_HwNm_M_f32 = Max
TC3.15TrqSum_HwNm_M_f32 = Zero
TC3.16TrqSum_HwNm_M_f32 = Pos
TC3.17TrqSum_HwNm_M_f32 = Neg
TC3.18k_T1vsT2TrqSum_HwNm_f32 = Min
TC3.19k_T1vsT2TrqSum_HwNm_f32 = Max
TC3.20k_T1vsT2TrqSum_HwNm_f32 = Pos
TC3.21t_T1T2IndTrsTimecon_HwNm_u5p11[17] = Min
TC3.22t_T1T2IndTrsTimecon_HwNm_u5p11[17] = Max
TC3.23t_T1T2IndTrsTimecon_HwNm_u5p11[17] = Pos
TC3.24t_T1T2DepTrsTimecon_Hz_u6p10[17] = Min
TC3.25t_T1T2DepTrsTimecon_Hz_u6p10[17] = Max
TC3.26t_T1T2DepTrsTimecon_Hz_u6p10[17] = Pos
TC3.27TDiagFiltKSV_M_str.SV = Min
TC3.28TDiagFiltKSV_M_str.SV = Max
TC3.29TDiagFiltKSV_M_str.SV = Zero
TC3.30TDiagFiltKSV_M_str.SV = Pos
TC3.31TDiagFiltKSV_M_str.SV = Neg
TC3.32TDiagFiltKSV_M_str.K = Min
TC3.33TDiagFiltKSV_M_str.K = Max
TC3.34TDiagFiltKSV_M_str.K = Pos
TC3.35TDiagFiltOut_HwNm_M_f32 = Min
TC3.36TDiagFiltOut_HwNm_M_f32 = Max
TC3.37TDiagFiltOut_HwNm_M_f32 = Zero
TC3.38TDiagFiltOut_HwNm_M_f32 = Pos
TC3.39TDiagFiltOut_HwNm_M_f32 = Neg
TC3.40k_T1T2SSLim_HwNm_f32 = Min
TC3.41k_T1T2SSLim_HwNm_f32 = Max
TC3.42k_T1T2SSLim_HwNm_f32 = Pos
TC3.43k_T1T2TransFiltLim_HwNm_f32 = Min
TC3.44k_T1T2TransFiltLim_HwNm_f32 = Max
TC3.45k_T1T2TransFiltLim_HwNm_f32 = Pos
TC3.46Rte_Call_NxtrDiagMgr_GetNTCStatus[3] = Min
TC3.47Rte_Call_NxtrDiagMgr_GetNTCStatus[3] = Max
TC3.48Rte_Call_NxtrDiagMgr_GetNTCStatus[3] = Pos
TC3.49HwTrq_HwNm_M_f32 = Min
TC3.50HwTrq_HwNm_M_f32 = Max
TC3.51HwTrq_HwNm_M_f32 = Zero
TC3.52HwTrq_HwNm_M_f32 = Pos
TC3.53HwTrq_HwNm_M_f32 = Neg
TC3.54CMCFiltOut_HwNm_M_f32 = Min
TC3.55CMCFiltOut_HwNm_M_f32 = Max
TC3.56CMCFiltOut_HwNm_M_f32 = Zero
TC3.57CMCFiltOut_HwNm_M_f32 = Pos
TC3.58CMCFiltOut_HwNm_M_f32 = Neg
TC3.59k_CMCLPFOutLim_HwNm_f32 = Min
TC3.60k_CMCLPFOutLim_HwNm_f32 = Max
TC3.61k_CMCLPFOutLim_HwNm_f32 = Pos
TC3.62SSDiagFiltOut_HwNm_M_f32 = Min
TC3.63SSDiagFiltOut_HwNm_M_f32 = Max
TC3.64SSDiagFiltOut_HwNm_M_f32 = Zero
TC3.65SSDiagFiltOut_HwNm_M_f32 = Pos
TC3.66SSDiagFiltOut_HwNm_M_f32 = Neg

Test Step 3.1 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-20
DigHwTrqSENT_HwTrq_HwNm_M_f32	-10
DigHwTrqSENT_SSDiagFiltOut_HwNm_M_f32	-20
DigHwTrqSENT_T1_HwNm_M_f32	-10
DigHwTrqSENT_T2_HwNm_M_f32	-10
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-20
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-20
DigHwTrqSENT_TrqSum_HwNm_M_f32	-20
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	0
k_T1T2SSLim_HwNm_f32	0
k_T1T2TransFiltLim_HwNm_f32	0
k_T1vsT2TrqSum_HwNm_f32	0
t_T1T2DepTrsTimecon_Hz_u6p10[0]	0
t_T1T2DepTrsTimecon_Hz_u6p10[1]	0
t_T1T2DepTrsTimecon_Hz_u6p10[2]	0
t_T1T2DepTrsTimecon_Hz_u6p10[3]	0

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Name	Input Value		
t_T1T2DepTrsTimecon_Hz_u6p10[4]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[5]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[6]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[7]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[8]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[9]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[10]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[11]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[12]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[13]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[14]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[15]	0		
t_T1T2DepTrsTimecon_Hz_u6p10[16]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	0		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-20	-20 ± 0.000976	✔
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0	0 ± 0.000009	✔
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-20	-20 ± 0.000976	✔
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0	0 ± 0.000976	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc.value	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-10	-10 ± 0.0024414	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

Test Step 3.2 (Repeat Count = 1)	
Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	20
DigHwTrqSENT_HwTrq_HwNm_M_f32	10
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	20
DigHwTrqSENT_T1_HwNm_M_f32	10
DigHwTrqSENT_T2_HwNm_M_f32	10
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	20
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.610338867
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	20
DigHwTrqSENT_TrqSum_HwNm_M_f32	20
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	20
k_T1T2SSLim_HwNm_f32	20
k_T1T2TransFiltLim_HwNm_f32	20
k_T1vsT2TrqSum_HwNm_f32	20
t_T1T2DepTrsTimecon_Hz_u6p10[0]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[1]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[2]	38400

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Name	Input Value		
t_T1T2DepTrsTimecon_Hz_u6p10[3]	38400		
t_T1T2DepTrsTimecon_Hz_u6p10[4]	38400		
t_T1T2DepTrsTimecon_Hz_u6p10[5]	38400		
t_T1T2DepTrsTimecon_Hz_u6p10[6]	38400		
t_T1T2DepTrsTimecon_Hz_u6p10[7]	38400		
t_T1T2DepTrsTimecon_Hz_u6p10[8]	38400		
t_T1T2DepTrsTimecon_Hz_u6p10[9]	38400		
t_T1T2DepTrsTimecon_Hz_u6p10[10]	38400		
t_T1T2DepTrsTimecon_Hz_u6p10[11]	38400		
t_T1T2DepTrsTimecon_Hz_u6p10[12]	38400		
t_T1T2DepTrsTimecon_Hz_u6p10[13]	38400		
t_T1T2DepTrsTimecon_Hz_u6p10[14]	38400		
t_T1T2DepTrsTimecon_Hz_u6p10[15]	38400		
t_T1T2DepTrsTimecon_Hz_u6p10[16]	38400		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	40960		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	40960		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	40960		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	40960		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	40960		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	40960		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	40960		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	40960		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	40960		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	40960		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	40960		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	40960		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	40960		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	40960		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	40960		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40960		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40960		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	13.8966103	13.8966112 ± 0.000976	✔
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.610338926	0.610338867 ± 0.0000009	✔
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	13.8966103	13.8966112 ± 0.000976	✔
DigHwTrqSENT_TrqSum_HwNm_M_f32	10	10 ± 0.000976	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	10	10 ± 0.0024414	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓	
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓	

Test Step 3.3 (Repeat Count = 1)		
Name	Input Value	
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	1.06719995	
DigHwTrqSENT_HwTrq_HwNm_M_f32	0.103200004	
DigHwTrqSENT_SSDFiltOut_HwNm_M_f32	0.264999986	
DigHwTrqSENT_T1_HwNm_M_f32	-10	
DigHwTrqSENT_T2_HwNm_M_f32	-0.160999998	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	0.264999986	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.103600003	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	0.1039	
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.740999997	
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT	
k_CMCLPFOutLim_HwNm_f32	0.125	
k_T1T2SSLim_HwNm_f32	0.103600003	
k_T1T2TransFitLim_HwNm_f32	0.105599999	
k_T1vsT2TrqSum_HwNm_f32	5.19999981	
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028	
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055	

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Name	Input Value
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-1.36935866	-1.36935866 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.305744767	0.305744767 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-1.36935866	-1.36935866 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-5.08050013	-5.08050013 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	0.103200004	0.103200004 ± 0.0024414	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

Test Step 3.4 (Repeat Count = 1)	
Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	1.34319997
DigHwTrqSENT_HwTrq_HwNm_M_f32	-0.309599996
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-0.82099998
DigHwTrqSENT_T1_HwNm_M_f32	10
DigHwTrqSENT_T2_HwNm_M_f32	0.617999971
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-0.82099998
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.115000002
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-0.293000013
DigHwTrqSENT_TrqSum_HwNm_M_f32	-1.27199996
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	0.349000007
k_T1T2SSLim_HwNm_f32	0.273999989
k_T1T2TransFiltLim_HwNm_f32	0.236000001
k_T1vsT2TrqSum_HwNm_f32	5.80000019
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591

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Name	Input Value		
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082		
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574		
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065		
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557		
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048		
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540		
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031		
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523		
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014		
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506		
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997		
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489		
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980		
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472		
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964		
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	39322		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	39526		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	39731		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-0.336869925	-0.336869925 ± 0.000976	✔
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0789771676	0.0789771751 ± 0.00000009	✔
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-0.336869925	-0.336869925 ± 0.000976	✔
DigHwTrqSENT_TrqSum_HwNm_M_f32	5.30900002	5.30900002 ± 0.000976	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc.value	0	0	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-0.309599996	-0.309599996 ± 0.0024414	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓	
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓	

Test Step 3.5 (Repeat Count = 1)		✓
Name	Input Value	
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	1.61919999	
DigHwTrqSENT_HwTrq_HwNm_M_f32	0.515999973	
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	1.37699997	
DigHwTrqSENT_T1_HwNm_M_f32	0	
DigHwTrqSENT_T2_HwNm_M_f32	-1.07500005	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	1.37699997	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.126399994	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	0.48210001	
DigHwTrqSENT_TrqSum_HwNm_M_f32	1.80299997	
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT	
k_CMCLPFOutLim_HwNm_f32	0.573000014	
k_T1T2SSLim_HwNm_f32	0.444400012	
k_T1T2TransFitLim_HwNm_f32	0.366400003	
k_T1vsT2TrqSum_HwNm_f32	6.4000001	

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Name	Input Value		
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417		
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322		
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226		
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131		
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036		
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940		
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845		
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749		
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654		
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559		
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463		
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368		
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273		
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177		
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082		
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987		
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	1.13865626	1.13865638 ± 0.000976	✔
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✔
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	1.13865626	1.13865638 ± 0.000976	✔
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.537500024	-0.537500024 ± 0.000976	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	0.515999973	0.515999973 ± 0.0024414	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓	
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓	

Test Step 3.6 (Repeat Count = 1)		✓
Name	Input Value	
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	1.89520001	
DigHwTrqSENT_HwTrq_HwNm_M_f32	-0.72240001	
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-1.93299997	
DigHwTrqSENT_T1_HwNm_M_f32	5.01000023	
DigHwTrqSENT_T2_HwNm_M_f32	1.53199995	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-1.93299997	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.137799993	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-0.671199977	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-2.33400011	
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT	
k_CMCLPFOutLim_HwNm_f32	0.796999991	
k_T1T2SSLim_HwNm_f32	0.614799976	
k_T1T2TransFiltLim_HwNm_f32	0.496800005	

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Name	Input Value		
k_T1vsT2TrqSum_HwNm_f32	7		
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383		
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175		
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967		
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759		
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551		
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343		
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135		
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927		
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719		
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511		
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303		
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095		
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887		
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679		
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471		
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263		
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-0.457391739	-0.457391679 ± 0.000976	✔
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.283552706	0.283552706 ± 0.0000009	✔
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-0.457391739	-0.457391679 ± 0.000976	✔
DigHwTrqSENT_TrqSum_HwNm_M_f32	3.27100015	3.27099991 ± 0.000976	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc.value	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-0.72240001	-0.72240001 ± 0.0024414	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

Test Step 3.7 (Repeat Count = 1)	
Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-2
DigHwTrqSENT_HwTrq_HwNm_M_f32	0.928799987
DigHwTrqSENT_SSDFiltOut_HwNm_M_f32	2.48900008
DigHwTrqSENT_T1_HwNm_M_f32	-5.13000011
DigHwTrqSENT_T2_HwNm_M_f32	-1.98899996
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	2.48900008
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.149200007
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	0.860300004
DigHwTrqSENT_TrqSum_HwNm_M_f32	2.86500001
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	1.02100003
k_T1T2SSLim_HwNm_f32	0.7852

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DigHwTrqSENT_Per2

Name	Input Value
k_T1T2TransFltLim_HwNm_f32	0.627200007
k_T1vsT2TrqSum_HwNm_f32	7.5999999
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346
tgt_Rte_Inst_Sa_DigHwTrqSENT_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFltKSV_M_str.SV_Uls_f32	2.09325695	2.09325671 ± 0.000976	✓
DigHwTrqSENT_TDiagFltKSV_M_str.K_Uls_f32	0.0654283166	0.0654283315 ± 0.00000009	✓
DigHwTrqSENT_TDiagFltOut_HwNm_M_f32	2.09325695	2.09325671 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-3.55949998	-3.55949998 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	0.928799987	0.928799987 ± 0.0024414	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

Test Step 3.8 (Repeat Count = 1)	
Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-3
DigHwTrqSENT_HwTrq_HwNm_M_f32	-1.13520002
DigHwTrqSENT_SSDFiltOut_HwNm_M_f32	-3.04500008
DigHwTrqSENT_T1_HwNm_M_f32	0.898000002
DigHwTrqSENT_T2_HwNm_M_f32	-10
DigHwTrqSENT_TDiagFltKSV_M_str.SV_Uls_f32	-3.04500008
DigHwTrqSENT_TDiagFltKSV_M_str.K_Uls_f32	0.160600007
DigHwTrqSENT_TDiagFltOut_HwNm_M_f32	-1.04939997
DigHwTrqSENT_TrqSum_HwNm_M_f32	-3.39599991
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	1.245

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DigHwTrqSENT_Per2

Name	Input Value
k_T1T2SSLim_HwNm_f32	0.955600023
k_T1T2TransFltLim_HwNm_f32	0.757600009
k_T1vsT2TrqSum_HwNm_f32	8.19999981
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFltKSV_M_str.SV_Uls_f32	-3.19374347	-3.19374323 ± 0.000976	✓
DigHwTrqSENT_TDiagFltKSV_M_str.K_Uls_f32	0.0987671614	0.0987671539 ± 0.00000009	✓
DigHwTrqSENT_TDiagFltOut_HwNm_M_f32	-3.19374347	-3.19374323 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-4.55100012	-4.55100012 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-1.13520002	-1.13520002 ± 0.0024414	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

Test Step 3.9 (Repeat Count = 1)	
Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-4
DigHwTrqSENT_HwTrq_HwNm_M_f32	1.34159994
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	3.60100007
DigHwTrqSENT_T1_HwNm_M_f32	0.375999987
DigHwTrqSENT_T2_HwNm_M_f32	10
DigHwTrqSENT_TDiagFltKSV_M_str.SV_Uls_f32	3.60100007
DigHwTrqSENT_TDiagFltKSV_M_str.K_Uls_f32	0.172000006
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	1.2385
DigHwTrqSENT_TrqSum_HwNm_M_f32	3.92700005
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT

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Name	Input Value		
k_CMCLPFOutLim_HwNm_f32	1.46899998		
k_T1T2SSLim_HwNm_f32	1.12600005		
k_T1T2TransFitLim_HwNm_f32	0.888000011		
k_T1vsT2TrqSum_HwNm_f32	8.80000019		
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417		
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322		
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226		
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131		
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036		
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940		
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845		
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749		
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654		
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559		
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463		
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368		
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273		
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177		
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082		
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987		
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	4.1628437	4.1628437 ± 0.000976	✔
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.354028881	0.354028851 ± 0.0000009	✔
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	4.1628437	4.1628437 ± 0.000976	✔
DigHwTrqSENT_TrqSum_HwNm_M_f32	5.1880002	5.1880002 ± 0.000976	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	1.34159994	1.34159994 ± 0.0024414	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓	
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓	

Test Step 3.10 (Repeat Count = 1)		✔
Name	Input Value	
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-5	
DigHwTrqSENT_HwTrq_HwNm_M_f32	-1.54799998	
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-4.15700006	
DigHwTrqSENT_T1_HwNm_M_f32	-0.145999998	
DigHwTrqSENT_T2_HwNm_M_f32	0	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-4.15700006	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.183400005	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-1.42760003	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-4.45800018	

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DigHwTrqSENT_Per2

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_CMCLPFOutLim_HwNm_f32	1.69299996		
k_T1T2SSLim_HwNm_f32	1.29639995		
k_T1T2TransFltLim_HwNm_f32	1.01839995		
k_T1vsT2TrqSum_HwNm_f32	9.39999962		
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383		
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175		
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967		
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759		
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551		
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343		
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135		
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927		
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719		
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511		
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303		
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095		
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887		
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679		
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471		
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263		
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFltKSV_M_str.SV_Uls_f32	-3.48013163	-3.48013186 ± 0.000976	✔
DigHwTrqSENT_TDiagFltKSV_M_str.K_Uls_f32	0.165736616	0.165736586 ± 0.0000009	✔
DigHwTrqSENT_TDiagFltOut_HwNm_M_f32	-3.48013163	-3.48013186 ± 0.000976	✔
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.0729999989	-0.0729999989 ± 0.000976	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-1.54799998	-1.54799998 ± 0.0024414	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

Test Step 3.11 (Repeat Count = 1)	
Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-6
DigHwTrqSENT_HwTrq_HwNm_M_f32	1.75440001
DigHwTrqSENT_SSDFiltOut_HwNm_M_f32	4.71299982
DigHwTrqSENT_T1_HwNm_M_f32	0.667999983
DigHwTrqSENT_T2_HwNm_M_f32	8.05000019
DigHwTrqSENT_TDiagFltKSV_M_str.SV_Uls_f32	4.71299982
DigHwTrqSENT_TDiagFltKSV_M_str.K_Uls_f32	0.194800004
DigHwTrqSENT_TDiagFltOut_HwNm_M_f32	1.61670005

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DigHwTrqSENT_Per2

Name	Input Value		
DigHwTrqSENT_TrqSum_HwNm_M_f32	4.98899984		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_CMCLPFOutLim_HwNm_f32	1.91700006		
k_T1T2SSLim_HwNm_f32	1.46679997		
k_T1T2TransFltLim_HwNm_f32	1.14880002		
k_T1vsT2TrqSum_HwNm_f32	10		
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028		
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055		
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083		
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110		
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138		
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165		
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193		
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220		
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248		
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275		
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303		
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330		
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358		
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385		
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413		
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440		
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFltKSV_M_str.SV_Uls_f32	4.64825296	4.64825296 ± 0.000976	✔
DigHwTrqSENT_TDiagFltKSV_M_str.K_Uls_f32	0.182900667	0.182900652 ± 0.0000009	✔
DigHwTrqSENT_TDiagFltOut_HwNm_M_f32	4.64825296	4.64825296 ± 0.000976	✔
DigHwTrqSENT_TrqSum_HwNm_M_f32	4.35900021	4.35900021 ± 0.000976	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc.value	0	0	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	1.75440001	1.75440001 ± 0.0024414	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

Test Step 3.12 (Repeat Count = 1)	
Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-7
DigHwTrqSENT_HwTrq_HwNm_M_f32	-1.96080005
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-5.26900005
DigHwTrqSENT_T1_HwNm_M_f32	-1.19000006
DigHwTrqSENT_T2_HwNm_M_f32	-8.02000046
DigHwTrqSENT_TDiagFltKSV_M_str.SV_Uls_f32	-5.26900005
DigHwTrqSENT_TDiagFltKSV_M_str.K_Uls_f32	0.206200004

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DigHwTrqSENT_Per2

Name	Input Value
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-1.80579996
DigHwTrqSENT_TrqSum_HwNm_M_f32	-5.51999998
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	2.14100003
k_T1T2SSLim_HwNm_f32	1.6372
k_T1T2TransFiltLim_HwNm_f32	1.27919996
k_T1vsT2TrqSum_HwNm_f32	10.6000004
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876
tgt_Rte_Inst_Sa_DigHwTrqSENT_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-5.18755007	-5.18755007 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.122665524	0.122665524 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-5.18755007	-5.18755007 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-4.6050005	-4.60500002 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-1.96080005	-1.96080005 ± 0.0024414	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

Test Step 3.13 (Repeat Count = 1)	
Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-8
DigHwTrqSENT_HwTrq_HwNm_M_f32	2.16720009
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	5.82499981
DigHwTrqSENT_T1_HwNm_M_f32	1.71200001
DigHwTrqSENT_T2_HwNm_M_f32	0.753000021
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	5.82499981

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DigHwTrqSENT_Per2

Name	Input Value
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.217600003
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	1.99489999
DigHwTrqSENT_TrqSum_HwNm_M_f32	-20
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	2.36500001
k_T1T2SSLim_HwNm_f32	1.80760002
k_T1T2TransFiltLim_HwNm_f32	1.40960002
k_T1vsT2TrqSum_HwNm_f32	11.1999998
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	5.25326157	5.25326157 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	5.25326157	5.25326157 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	1.23250008	1.23249996 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	2.16720009	2.16720009 ± 0.0024414	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

Test Step 3.14 (Repeat Count = 1)	
Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-9
DigHwTrqSENT_HwTrq_HwNm_M_f32	-2.37360001
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-6.38100004
DigHwTrqSENT_T1_HwNm_M_f32	-2.23399997
DigHwTrqSENT_T2_HwNm_M_f32	0.296000004

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DigHwTrqSENT_Per2

Name	Input Value		
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-6.38100004		
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.229000002		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-2.18400002		
DigHwTrqSENT_TrqSum_HwNm_M_f32	20		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_CMCLPFOutLim_HwNm_f32	2.58899999		
k_T1T2SSLim_HwNm_f32	1.97800004		
k_T1T2TransFiltLim_HwNm_f32	1.53999996		
k_T1vsT2TrqSum_HwNm_f32	11.8000002		
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383		
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175		
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967		
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759		
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551		
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343		
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135		
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927		
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719		
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511		
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303		
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095		
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887		
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679		
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471		
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263		
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-5.48403358	-5.48403358 ± 0.000976	✔
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.165736616	0.165736586 ± 0.0000009	✔
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-5.48403358	-5.48403358 ± 0.000976	✔
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.968999982	-0.968999982 ± 0.000976	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-2.37360001	-2.37360001 ± 0.0024414	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓	
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓	

Test Step 3.15 (Repeat Count = 1)		✔
Name	Input Value	
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	4.37919998	
DigHwTrqSENT_HwTrq_HwNm_M_f32	2.57999992	
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	6.9369998	
DigHwTrqSENT_T1_HwNm_M_f32	2.75600004	

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DigHwTrqSENT_Per2

Name	Input Value		
DigHwTrqSENT_T2_HwNm_M_f32	-0.160999998		
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	6.9369998		
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.240400001		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	2.37310004		
DigHwTrqSENT_TrqSum_HwNm_M_f32	0		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_CMCLPFOutLim_HwNm_f32	2.81299996		
k_T1T2SSLim_HwNm_f32	2.14840007		
k_T1T2TransFiltLim_HwNm_f32	1.67040002		
k_T1vsT2TrqSum_HwNm_f32	12.3999996		
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028		
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055		
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083		
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110		
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138		
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165		
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193		
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220		
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248		
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275		
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303		
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330		
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358		
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385		
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413		
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440		
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	6.57604265	6.57604313 ± 0.000976	✔
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0640051365	0.0640050992 ± 0.00000009	✔
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	6.57604265	6.57604313 ± 0.000976	✔
DigHwTrqSENT_TrqSum_HwNm_M_f32	1.29750001	1.29750001 ± 0.000976	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc.value	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	2.57999992	2.57999992 ± 0.0024414	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

Test Step 3.16 (Repeat Count = 1)	
Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	4.6552
DigHwTrqSENT_HwTrq_HwNm_M_f32	-2.78640008
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-7.49300003

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DigHwTrqSENT_Per2

Name	Input Value		
DigHwTrqSENT_T1_HwNm_M_f32	-3.27800012		
DigHwTrqSENT_T2_HwNm_M_f32	0.617999971		
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-7.49300003		
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.251800001		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-2.56220007		
DigHwTrqSENT_TrqSum_HwNm_M_f32	11.21		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_CMCLPFOutLim_HwNm_f32	3.03699994		
k_T1T2SSLim_HwNm_f32	2.31879997		
k_T1T2TransFiltLim_HwNm_f32	1.80079997		
k_T1vsT2TrqSum_HwNm_f32	13		
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591		
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082		
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574		
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065		
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557		
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048		
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540		
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031		
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523		
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014		
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506		
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997		
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489		
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980		
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472		
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964		
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-7.11327982	-7.11327982 ± 0.000976	✔
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0616129041	0.0616128817 ± 0.00000009	✔
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-7.11327982	-7.11327982 ± 0.000976	✔
DigHwTrqSENT_TrqSum_HwNm_M_f32	-1.33000004	-1.33000004 ± 0.000976	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc.value	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-2.78640008	-2.78640008 ± 0.0024414	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

Test Step 3.17 (Repeat Count = 1)	
Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	4.93120003
DigHwTrqSENT_HwTrq_HwNm_M_f32	2.9928

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DigHwTrqSENT_Per2

Name	Input Value
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	8.04899979
DigHwTrqSENT_T1_HwNm_M_f32	3.79999995
DigHwTrqSENT_T2_HwNm_M_f32	-1.07500005
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	8.04899979
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.263200015
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	2.7513001
DigHwTrqSENT_TrqSum_HwNm_M_f32	-11.1199999
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	3.26099992
k_T1T2SSLim_HwNm_f32	2.48920012
k_T1T2TransFiltLim_HwNm_f32	1.93120003
k_T1vsT2TrqSum_HwNm_f32	13.6000004
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	7.21657085	7.21657133 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	7.21657085	7.21657133 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	1.36249995	1.36249995 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	2.9928	2.9928 ± 0.0024414	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

Test Step 3.18 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	5.20720005

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DigHwTrqSENT_Per2

Name	Input Value
DigHwTrqSENT_HwTrq_HwNm_M_f32	-3.19919991
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-8.60499954
DigHwTrqSENT_T1_HwNm_M_f32	-4.32200003
DigHwTrqSENT_T2_HwNm_M_f32	1.53199995
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-8.60499954
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.274599999
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-2.94039989
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.851999998
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	3.4849999
k_T1T2SSLim_HwNm_f32	2.65960002
k_T1T2TransFiltLim_HwNm_f32	2.06159997
k_T1vsT2TrqSum_HwNm_f32	0
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-7.17883587	-7.17883682 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.165736616	0.165736586 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-7.17883587	-7.17883682 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0	0 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-3.19919991	-3.19919991 ± 0.0024414	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓	
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓	

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DigHwTrqSENT_Per2

Test Step 3.19 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	5.48320007			
DigHwTrqSENT_HwTrq_HwNm_M_f32	3.40560007			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	9.16100025			
DigHwTrqSENT_T1_HwNm_M_f32	4.84399986			
DigHwTrqSENT_T2_HwNm_M_f32	-1.98899996			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	9.16100025			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.286000013			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	3.12949991			
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.32100001			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	3.70900011			
k_T1T2SSLim_HwNm_f32	2.82999992			
k_T1T2TransFiltLim_HwNm_f32	2.19199991			
k_T1vsT2TrqSum_HwNm_f32	20			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	8.78549099	8.78549099 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.048556149	0.0485561527 ± 0.00000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	8.78549099	8.78549099 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	1.42750001	1.42750001 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	3.40560007	3.40560007 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.20 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	5.7592001			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-3.61199999			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-9.71700001			
DigHwTrqSENT_T1_HwNm_M_f32	-5.36600018			
DigHwTrqSENT_T2_HwNm_M_f32	2.4460001			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-9.71700001			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.297399998			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-3.31859994			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.209999993			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	3.93300009			
k_T1T2SSLim_HwNm_f32	3.00040007			
k_T1T2TransFiltLim_HwNm_f32	2.32240009			
k_T1vsT2TrqSum_HwNm_f32	10.21			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-9.20826244	-9.20826244 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0616129041	0.0616128817 ± 0.00000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-9.20826244	-9.20826244 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-1.46000004	-1.46000004 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-3.61199999	-3.61199999 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.21 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	6.03520012
DigHwTrqSENT_HwTrq_HwNm_M_f32	3.81839991
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	10.2729998
DigHwTrqSENT_T1_HwNm_M_f32	5.88800001
DigHwTrqSENT_T2_HwNm_M_f32	-2.90300012
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	10.2729998
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.308800012
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	3.50769997
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.740999997
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	4.15700006
k_T1T2SSLim_HwNm_f32	3.17079997
k_T1T2TransFiltLim_HwNm_f32	2.45280004
k_T1vsT2TrqSum_HwNm_M_f32	0.230000004
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	0
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	0
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	4.39192629	4.39192724 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.58558929	0.58558929 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	4.39192629	4.39192724 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.230000004	0.230000004 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	3.81839991	3.81839991 ± 0.0024414	✓

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.22 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10
DigHwTrqSENT_HwTrq_HwNm_M_f32	-4.02479982
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-10.8290005
DigHwTrqSENT_T1_HwNm_M_f32	-6.40999985
DigHwTrqSENT_T2_HwNm_M_f32	3.3599999
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-10.8290005
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.320199996
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-3.69679999
DigHwTrqSENT_TrqSum_HwNm_M_f32	-1.27199996
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	4.38100004
k_T1T2SSLim_HwNm_f32	3.34120011
k_T1T2TransFiltLim_HwNm_f32	2.58319998
k_T1vsT2TrqSum_HwNm_f32	0.649999976
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40960
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-9.14196777	-9.14196682 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.165736616	0.165736586 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-9.14196777	-9.14196682 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.649999976	-0.649999976 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-4.02479982	-4.02479982 ± 0.0024414	✓

T ✓				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.23 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-11			
DigHwTrqSENT_HwTrq_HwNm_M_f32	4.23120022			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	11.3850002			
DigHwTrqSENT_T1_HwNm_M_f32	6.93200016			
DigHwTrqSENT_T2_HwNm_M_f32	-3.81699991			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	11.3850002			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.33160001			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	3.88590002			
DigHwTrqSENT_TrqSum_HwNm_M_f32	1.80299997			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	4.60500002			
k_T1T2SSLim_HwNm_f32	3.51160002			
k_T1T2TransFiltLim_HwNm_f32	2.71359992			
k_T1vsT2TrqSum_HwNm_f32	1.07000005			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2048			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	4096			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	6144			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8192			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10240			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	12288			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	14336			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	16384			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	18432			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	20480			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	22528			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	24576			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	26624			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	28672			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	30720			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	32768			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	34816			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	10.8502388	10.8502388 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0518431067	0.0518430844 ± 0.00000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	10.8502388	10.8502388 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	1.07000005	1.07000005 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	4.23120022	4.23120022 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.24 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-12			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-4.43760014			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-11.941			
DigHwTrqSENT_T1_HwNm_M_f32	-7.454			
DigHwTrqSENT_T2_HwNm_M_f32	4.27400017			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-11.941			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.342999995			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-4.07499981			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-2.33400011			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	4.829			
k_T1T2SSLim_HwNm_f32	3.68199992			
k_T1T2TransFiltLim_HwNm_f32	2.8440001			
k_T1vsT2TrqSum_HwNm_f32	1.49000001			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	0			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	0			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	0			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	0			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	0			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	0			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	0			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	0			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	0			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	0			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	0			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	0			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	0			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	0			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	0			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	0			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	0			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-11.941	-11.941 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0	0 ± 0.000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.941	-11.941 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-1.49000001	-1.49000001 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-4.43760014	-4.43760014 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.25 (Repeat Count = 1)				
Name		Input Value		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32		-13		
DigHwTrqSENT_HwTrq_HwNm_M_f32		4.64400005		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32		12.4969997		
DigHwTrqSENT_T1_HwNm_M_f32		7.97599983		
DigHwTrqSENT_T2_HwNm_M_f32		-4.73099995		
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32		12.4969997		
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32		0.354400009		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32		4.26410007		
DigHwTrqSENT_TrqSum_HwNm_M_f32		2.86500001		
Rte_Inst_Sa_DigHwTrqSENT		tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_CMCLPFOutLim_HwNm_f32		5.05299997		
k_T1T2SSLim_HwNm_f32		3.85240006		
k_T1T2TransFiltLim_HwNm_f32		2.97440004		
k_T1vsT2TrqSum_HwNm_f32		1.90999997		
t_T1T2DepTrsTimecon_Hz_u6p10[0]		38400		
t_T1T2DepTrsTimecon_Hz_u6p10[1]		38400		
t_T1T2DepTrsTimecon_Hz_u6p10[2]		38400		
t_T1T2DepTrsTimecon_Hz_u6p10[3]		38400		
t_T1T2DepTrsTimecon_Hz_u6p10[4]		38400		
t_T1T2DepTrsTimecon_Hz_u6p10[5]		38400		
t_T1T2DepTrsTimecon_Hz_u6p10[6]		38400		
t_T1T2DepTrsTimecon_Hz_u6p10[7]		38400		
t_T1T2DepTrsTimecon_Hz_u6p10[8]		38400		
t_T1T2DepTrsTimecon_Hz_u6p10[9]		38400		
t_T1T2DepTrsTimecon_Hz_u6p10[10]		38400		
t_T1T2DepTrsTimecon_Hz_u6p10[11]		38400		
t_T1T2DepTrsTimecon_Hz_u6p10[12]		38400		
t_T1T2DepTrsTimecon_Hz_u6p10[13]		38400		
t_T1T2DepTrsTimecon_Hz_u6p10[14]		38400		
t_T1T2DepTrsTimecon_Hz_u6p10[15]		38400		
t_T1T2DepTrsTimecon_Hz_u6p10[16]		38400		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]		6205		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]		9216		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]		12227		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]		15237		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]		18248		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]		21258		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]		24269		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]		27279		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]		30290		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]		33300		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]		36311		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]		36864		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]		37888		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]		38093		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]		39936		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]		40141		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]		40346		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc		tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	5.859869	5.85986996 ± 0.000976	✔	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.610338926	0.610338867 ± 0.0000009	✔	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	5.859869	5.85986996 ± 0.000976	✔	
DigHwTrqSENT_TrqSum_HwNm_M_f32	1.62249994	1.62249994 ± 0.000976	✔	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✔	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	4.64400005	4.64400005 ± 0.0024414	✔	
T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✔
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✔
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✔

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DigHwTrqSENT_Per2



Test Step 3.26 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-14
DigHwTrqSENT_HwTrq_HwNm_M_f32	-4.85039997
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-13.0530005
DigHwTrqSENT_T1_HwNm_M_f32	-8.49800014
DigHwTrqSENT_T2_HwNm_M_f32	5.1880002
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-13.0530005
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.365799993
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-4.45319986
DigHwTrqSENT_TrqSum_HwNm_M_f32	-3.39599991
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	5.27699995
k_T1T2SSLim_HwNm_f32	4.02279997
k_T1T2TransFiltLim_HwNm_f32	3.10479999
k_T1vsT2TrqSum_HwNm_M_f32	2.32999992
t_T1T2DepTrsTimecon_Hz_u6p10[0]	1024
t_T1T2DepTrsTimecon_Hz_u6p10[1]	2048
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3072
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4096
t_T1T2DepTrsTimecon_Hz_u6p10[4]	5120
t_T1T2DepTrsTimecon_Hz_u6p10[5]	6144
t_T1T2DepTrsTimecon_Hz_u6p10[6]	7168
t_T1T2DepTrsTimecon_Hz_u6p10[7]	8192
t_T1T2DepTrsTimecon_Hz_u6p10[8]	9216
t_T1T2DepTrsTimecon_Hz_u6p10[9]	10240
t_T1T2DepTrsTimecon_Hz_u6p10[10]	11264
t_T1T2DepTrsTimecon_Hz_u6p10[11]	12288
t_T1T2DepTrsTimecon_Hz_u6p10[12]	13312
t_T1T2DepTrsTimecon_Hz_u6p10[13]	14336
t_T1T2DepTrsTimecon_Hz_u6p10[14]	15360
t_T1T2DepTrsTimecon_Hz_u6p10[15]	16384
t_T1T2DepTrsTimecon_Hz_u6p10[16]	17408
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-12.7701073	-12.7701073 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0248195529	0.0248195436 ± 0.00000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-12.7701073	-12.7701073 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-1.65499997	-1.65499997 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-4.85039997	-4.85039997 ± 0.0024414	✓

T ✓				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.27 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-15			
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.05679989			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0.740999997			
DigHwTrqSENT_T1_HwNm_M_f32	9.02000046			
DigHwTrqSENT_T2_HwNm_M_f32	-5.64499998			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-20			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.377200007			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	4.64230013			
DigHwTrqSENT_TrqSum_HwNm_M_f32	3.92700005			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	5.50099993			
k_T1T2SSLim_HwNm_f32	4.19320011			
k_T1T2TransFiltLim_HwNm_f32	3.23519993			
k_T1vsT2TrqSum_HwNm_f32	2.75			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-17.9966354	-17.9966354 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.092374146	0.092374146 ± 0.00000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-17.9966354	-17.9966354 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	1.68750024	1.6875 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	5.05679989	5.05679989 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.28 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-16
DigHwTrqSENT_HwTrq_HwNm_M_f32	-5.26319981
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-1.27199996
DigHwTrqSENT_T1_HwNm_M_f32	-9.54199982
DigHwTrqSENT_T2_HwNm_M_f32	6.10200024
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	20
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.388599992
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-4.83139992
DigHwTrqSENT_TrqSum_HwNm_M_f32	-4.45800018
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	5.7249999
k_T1T2SSLim_HwNm_f32	4.36359978
k_T1T2TransFiltLim_HwNm_f32	3.36560011
k_T1vsT2TrqSum_HwNm_M_f32	3.17000008
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	18.661768	18.661768 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0616129041	0.0616128817 ± 0.00000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	18.661768	18.661768 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-1.71999979	-1.72000003 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-5.26319981	-5.26319981 ± 0.0024414	✓

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.29 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-17			
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.4696002			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	1.80299997			
DigHwTrqSENT_T1_HwNm_M_f32	0.598699987			
DigHwTrqSENT_T2_HwNm_M_f32	-6.55900002			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	0			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.400000006			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	5.02050018			
DigHwTrqSENT_TrqSum_HwNm_M_f32	4.98899984			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	5.94899988			
k_T1T2SSLim_HwNm_f32	4.53399992			
k_T1T2TransFiltLim_HwNm_f32	3.49600005			
k_T1vsT2TrqSum_HwNm_f32	3.58999991			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-0.486647755	-0.486647755 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.163296402	0.163296387 ± 0.0000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-0.486647755	-0.486647755 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-2.98014998	-2.98014998 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	5.4696002	5.4696002 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.30 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-18			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-5.67600012			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-2.33400011			
DigHwTrqSENT_T1_HwNm_M_f32	0.298000008			
DigHwTrqSENT_T2_HwNm_M_f32	7.01599979			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	11.1999998			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.41139999			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-5.20959997			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-5.51999998			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	6.17299986			
k_T1T2SSLim_HwNm_f32	4.70440006			
k_T1T2TransFiltLim_HwNm_f32	3.62639999			
k_T1vsT2TrqSum_HwNm_f32	4.01000023			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	8.91746998	8.91746998 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.30260241	0.30260241 ± 0.0000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	8.91746998	8.91746998 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	3.65699983	3.65700006 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-5.67600012	-5.67600012 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.31 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	8.79520035			
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.88240004			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	2.86500001			
DigHwTrqSENT_T1_HwNm_M_f32	-0.00270000007			
DigHwTrqSENT_T2_HwNm_M_f32	-7.47300005			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-11.1199999			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.422800004			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	5.39870024			
DigHwTrqSENT_TrqSum_HwNm_M_f32	6.05100012			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	6.39699984			
k_T1T2SSLim_HwNm_f32	4.87480021			
k_T1T2TransFiltLim_HwNm_f32	3.75679994			
k_T1vsT2TrqSum_HwNm_M_f32	4.42999983			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-10.5952997	-10.5952997 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.07107687	0.0710768402 ± 0.00000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-10.5952997	-10.5952997 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-3.73784995	-3.73784995 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	5.88240004	5.88240004 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.32 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	9.07120037			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-6.08879995			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-3.39599991			
DigHwTrqSENT_T1_HwNm_M_f32	0.30340001			
DigHwTrqSENT_T2_HwNm_M_f32	7.92999983			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	12.4969997			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-5.58780003			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-6.58199978			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	6.62099981			
k_T1T2SSLim_HwNm_f32	5.04519987			
k_T1T2TransFiltLim_HwNm_f32	3.88720012			
k_T1vsT2TrqSum_HwNm_f32	4.8499999			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	11.7296	11.7296009 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0915718675	0.0915718377 ± 0.00000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	11.7296	11.7296009 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	4.1166997	4.11670017 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-6.08879995	-6.08879995 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.33 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	9.34720039			
DigHwTrqSENT_HwTrq_HwNm_M_f32	6.29519987			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	3.92700005			
DigHwTrqSENT_T1_HwNm_M_f32	-0.604099989			
DigHwTrqSENT_T2_HwNm_M_f32	-8.38700008			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-13.0530005			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.610338867			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	5.77689981			
DigHwTrqSENT_TrqSum_HwNm_M_f32	7.11299992			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	6.84499979			
k_T1T2SSLim_HwNm_f32	5.21560001			
k_T1T2TransFiltLim_HwNm_f32	4.01760006			
k_T1vsT2TrqSum_HwNm_M_f32	5.26999998			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-10.3150883	-10.3150873 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.319944859	0.319944859 ± 0.0000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-10.3150883	-10.3150873 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-4.49555016	-4.49555016 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	6.29519987	6.29519987 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.34 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	9.62320042			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-6.50159979			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-4.45800018			
DigHwTrqSENT_T1_HwNm_M_f32	0.904799998			
DigHwTrqSENT_T2_HwNm_M_f32	8.84399986			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	13.6090002			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.476399988			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-5.96600008			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-7.64400005			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	7.06899977			
k_T1T2SSLim_HwNm_f32	5.38600016			
k_T1T2TransFiltLim_HwNm_f32	4.14799976			
k_T1vsT2TrqSum_HwNm_f32	5.69000006			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	11.7703648	11.7703648 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.2105003	0.210500255 ± 0.0000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	11.7703648	11.7703648 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	4.87440014	4.87440014 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-6.50159979	-6.50159979 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.35 (Repeat Count = 1)				
Name		Input Value		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32		9.89920044		
DigHwTrqSENT_HwTrq_HwNm_M_f32		6.70800018		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32		4.98899984		
DigHwTrqSENT_T1_HwNm_M_f32		-1.20550001		
DigHwTrqSENT_T2_HwNm_M_f32		-9.30099964		
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32		-14.165		
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32		0.106899999		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32		-20		
DigHwTrqSENT_TrqSum_HwNm_M_f32		8.17500019		
Rte_Inst_Sa_DigHwTrqSENT		tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_CMCLPFOutLim_HwNm_f32		7.29300022		
k_T1T2SSLim_HwNm_f32		5.55639982		
k_T1T2TransFiltLim_HwNm_f32		4.27839994		
k_T1vsT2TrqSum_HwNm_f32		6.11000013		
t_T1T2DepTrsTimecon_Hz_u6p10[0]		2028		
t_T1T2DepTrsTimecon_Hz_u6p10[1]		4055		
t_T1T2DepTrsTimecon_Hz_u6p10[2]		6083		
t_T1T2DepTrsTimecon_Hz_u6p10[3]		8110		
t_T1T2DepTrsTimecon_Hz_u6p10[4]		10138		
t_T1T2DepTrsTimecon_Hz_u6p10[5]		12165		
t_T1T2DepTrsTimecon_Hz_u6p10[6]		14193		
t_T1T2DepTrsTimecon_Hz_u6p10[7]		16220		
t_T1T2DepTrsTimecon_Hz_u6p10[8]		18248		
t_T1T2DepTrsTimecon_Hz_u6p10[9]		20275		
t_T1T2DepTrsTimecon_Hz_u6p10[10]		22303		
t_T1T2DepTrsTimecon_Hz_u6p10[11]		24330		
t_T1T2DepTrsTimecon_Hz_u6p10[12]		26358		
t_T1T2DepTrsTimecon_Hz_u6p10[13]		28385		
t_T1T2DepTrsTimecon_Hz_u6p10[14]		30413		
t_T1T2DepTrsTimecon_Hz_u6p10[15]		32440		
t_T1T2DepTrsTimecon_Hz_u6p10[16]		34468		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]		4792		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]		6144		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]		7496		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]		8847		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]		10199		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]		11551		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]		12902		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]		14254		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]		15606		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]		16957		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]		18309		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]		19661		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]		21012		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]		22364		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]		23716		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]		25068		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]		26419		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc		tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-12.0604372	-12.0604372 ± 0.000976	✔	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.236155927	0.236155897 ± 0.0000009	✔	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-12.0604372	-12.0604372 ± 0.000976	✔	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-5.25324965	-5.25325012 ± 0.000976	✔	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✔	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	6.70800018	6.70800018 ± 0.0024414	✔	
T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✔
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✔
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✔

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DigHwTrqSENT_Per2

Test Step 3.36 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	10.1752005
DigHwTrqSENT_HwTrq_HwNm_M_f32	-6.9144001
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-5.51999998
DigHwTrqSENT_T1_HwNm_M_f32	1.50619996
DigHwTrqSENT_T2_HwNm_M_f32	9.75800037
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	14.7209997
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.108999997
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	20
DigHwTrqSENT_TrqSum_HwNm_M_f32	-8.70600033
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	7.5170002
k_T1T2SSLim_HwNm_f32	5.72679996
k_T1T2TransFiltLim_HwNm_f32	4.40880013
k_T1vsT2TrqSum_HwNm_f32	6.53000021
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	13.4508705	13.4508715 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.139745057	0.139745042 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	13.4508705	13.4508715 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	5.63210011	5.63210011 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-6.9144001	-6.9144001 ± 0.0024414	✓

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.37 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	10.4511995			
DigHwTrqSENT_HwTrq_HwNm_M_f32	7.12080002			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0.264999986			
DigHwTrqSENT_T1_HwNm_M_f32	-1.80690002			
DigHwTrqSENT_T2_HwNm_M_f32	0.925999999			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-15.2770004			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.111100003			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	0			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-9.23700047			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	7.74100018			
k_T1T2SSLim_HwNm_f32	5.89720011			
k_T1T2TransFiltLim_HwNm_f32	4.53919983			
k_T1vsT2TrqSum_HwNm_f32	6.94999981			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-13.4299393	-13.4299393 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-13.4299393	-13.4299393 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.440450013	-0.440450013 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	7.12080002	7.12080002 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.38 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	10.7271996			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-7.32719994			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-0.82099998			
DigHwTrqSENT_T1_HwNm_M_f32	2.10759997			
DigHwTrqSENT_T2_HwNm_M_f32	0.486999989			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	15.8330002			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.113200001			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	4.11999989			
DigHwTrqSENT_TrqSum_HwNm_M_f32	9.76799965			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	7.96500015			
k_T1T2SSLim_HwNm_f32	6.06759977			
k_T1T2TransFiltLim_HwNm_f32	4.66960001			
k_T1vsT2TrqSum_HwNm_M_f32	7.36999989			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	13.4239025	13.4239025 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.165736616	0.165736586 ± 0.0000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	13.4239025	13.4239025 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	1.29729998	1.29729998 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-7.32719994	-7.32719994 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.39 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	11.0031996			
DigHwTrqSENT_HwTrq_HwNm_M_f32	7.53359985			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	1.37699997			
DigHwTrqSENT_T1_HwNm_M_f32	-2.40829992			
DigHwTrqSENT_T2_HwNm_M_f32	0.048000004			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-16.3889999			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.1153			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-4.48000002			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-10.2989998			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	8.18900013			
k_T1T2SSLim_HwNm_f32	6.23799992			
k_T1T2TransFiltLim_HwNm_f32	4.80000019			
k_T1vsT2TrqSum_HwNm_f32	7.78999996			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-15.5485926	-15.5485926 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0552577972	0.0552577972 ± 0.00000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-15.5485926	-15.5485926 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-1.18014991	-1.18015003 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	7.53359985	7.53359985 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.40 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	11.2791996			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-7.73999977			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-1.93299997			
DigHwTrqSENT_T1_HwNm_M_f32	2.70900011			
DigHwTrqSENT_T2_HwNm_M_f32	-0.391000003			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	16.9449997			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.117399998			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	6.12300014			
DigHwTrqSENT_TrqSum_HwNm_M_f32	10.8299999			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	8.41300011			
k_T1T2SSLim_HwNm_f32	0			
k_T1T2TransFiltLim_HwNm_f32	4.93039989			
k_T1vsT2TrqSum_HwNm_f32	8.21000004			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	15.9723787	15.9723787 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0616129041	0.0616128817 ± 0.00000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	15.9723787	15.9723787 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	1.15900004	1.15900004 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-7.73999977	-7.73999977 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.41 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	11.5551996
DigHwTrqSENT_HwTrq_HwNm_M_f32	7.94640017
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	2.48900008
DigHwTrqSENT_T1_HwNm_M_f32	-3.00970006
DigHwTrqSENT_T2_HwNm_M_f32	0.829999983
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-17.5009995
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.119499996
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-6.56899977
DigHwTrqSENT_TrqSum_HwNm_M_f32	-11.3610001
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	8.63700008
k_T1T2SSLim_HwNm_f32	20
k_T1T2TransFiltLim_HwNm_f32	5.06080008
k_T1vsT2TrqSum_HwNm_f32	8.63000011
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-15.4579105	-15.4579115 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-15.4579105	-15.4579115 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-1.08985007	-1.08984995 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	7.94640017	7.94640017 ± 0.0024414	✓

T ✓				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.42 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	11.8311996			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.15279961			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-3.04500008			
DigHwTrqSENT_T1_HwNm_M_f32	3.31040001			
DigHwTrqSENT_T2_HwNm_M_f32	-1.26900005			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	18.0569992			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.121600002			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	7.01499987			
DigHwTrqSENT_TrqSum_HwNm_M_f32	11.8920002			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	8.86100006			
k_T1T2SSLim_HwNm_f32	10.5200005			
k_T1T2TransFiltLim_HwNm_f32	5.19119978			
k_T1vsT2TrqSum_HwNm_f32	9.05000019			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	15.2334604	15.2334614 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.165736616	0.165736586 ± 0.0000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	15.2334604	15.2334614 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	1.02069998	1.02069998 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-8.15279961	-8.15279961 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.43 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFltOut_HwNm_M_f32	12.1071997			
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.35919952			
DigHwTrqSENT_SSdiagFltOut_HwNm_M_f32	3.60100007			
DigHwTrqSENT_T1_HwNm_M_f32	-3.61109996			
DigHwTrqSENT_T2_HwNm_M_f32	1.70799994			
DigHwTrqSENT_TDiagFltKSV_M_str.SV_Uls_f32	-18.6130009			
DigHwTrqSENT_TDiagFltKSV_M_str.K_Uls_f32	0.1237			
DigHwTrqSENT_TDiagFltOut_HwNm_M_f32	-7.46099997			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-12.4230003			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	9.08500004			
k_T1T2SSLim_HwNm_f32	6.06759977			
k_T1T2TransFltLim_HwNm_f32	0			
k_T1vsT2TrqSum_HwNm_f32	9.47000027			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFltKSV_M_str.SV_Uls_f32	-17.7554283	-17.7554283 ± 0.000976	✓	
DigHwTrqSENT_TDiagFltKSV_M_str.K_Uls_f32	0.048556149	0.0485561527 ± 0.00000009	✓	
DigHwTrqSENT_TDiagFltOut_HwNm_M_f32	-17.7554283	-17.7554283 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.951550007	-0.951550007 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	8.35919952	8.35919952 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.44 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	12.3831997			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.5656004			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-4.15700006			
DigHwTrqSENT_T1_HwNm_M_f32	3.91179991			
DigHwTrqSENT_T2_HwNm_M_f32	-2.14700007			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	19.1690006			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.125799999			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	7.90700006			
DigHwTrqSENT_TrqSum_HwNm_M_f32	12.9540005			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	9.30900002			
k_T1T2SSLim_HwNm_f32	6.23799992			
k_T1T2TransFiltLim_HwNm_f32	20			
k_T1vsT2TrqSum_HwNm_f32	9.89000034			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	18.0423107	18.0423107 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0616129041	0.0616128817 ± 0.00000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	18.0423107	18.0423107 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.882399917	0.882399976 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-8.5656004	-8.5656004 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.45 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	12.6591997			
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.77200031			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	4.71299982			
DigHwTrqSENT_T1_HwNm_M_f32	-4.2125001			
DigHwTrqSENT_T2_HwNm_M_f32	2.58599997			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-19.7250004			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.127900004			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-8.35299969			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-13.4849997			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	9.53299999			
k_T1T2SSLim_HwNm_f32	6.40840006			
k_T1T2TransFiltLim_HwNm_f32	13.2299995			
k_T1vsT2TrqSum_HwNm_f32	10.3100004			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-17.3706017	-17.3706017 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-17.3706017	-17.3706017 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.813250065	-0.813250005 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	8.77200031	8.77200031 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.46 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	12.9351997			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.97840023			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-5.26900005			
DigHwTrqSENT_T1_HwNm_M_f32	4.51319981			
DigHwTrqSENT_T2_HwNm_M_f32	-3.0250001			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	0.345999986			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.129999995			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	8.79899979			
DigHwTrqSENT_TrqSum_HwNm_M_f32	14.0159998			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	9.75699997			
k_T1T2SSLim_HwNm_f32	6.5788002			
k_T1T2TransFiltLim_HwNm_f32	5.06080008			
k_T1vsT2TrqSum_HwNm_M_f32	10.7299995			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	0.411979705	0.411979735 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.165736616	0.165736586 ± 0.0000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	0.411979705	0.411979735 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.744099855	0.744099975 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-8.97840023	-8.97840023 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.47 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-11.25
DigHwTrqSENT_HwTrq_HwNm_M_f32	9.18480015
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	5.82499981
DigHwTrqSENT_T1_HwNm_M_f32	-4.81389999
DigHwTrqSENT_T2_HwNm_M_f32	3.46399999
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-0.811999977
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.132100001
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-9.24499989
DigHwTrqSENT_TrqSum_HwNm_M_f32	-14.5469999
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	9.98099995
k_T1T2SSLim_HwNm_f32	6.74919987
k_T1T2TransFiltLim_HwNm_f32	5.19119978
k_T1vsT2TrqSum_HwNm_f32	11.1499996
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-0.805345356	-0.805345356 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.048556149	0.0485561527 ± 0.00000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-0.805345356	-0.805345356 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.674950004	-0.674950004 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	9.18480015	9.18480015 ± 0.0024414	✓

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.48 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10.25
DigHwTrqSENT_HwTrq_HwNm_M_f32	-9.39120007
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-6.38100004
DigHwTrqSENT_T1_HwNm_M_f32	5.11460018
DigHwTrqSENT_T2_HwNm_M_f32	-3.90300012
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	1.278
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.134200007
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	9.69099998
DigHwTrqSENT_TrqSum_HwNm_M_f32	15.0780001
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	10.2049999
k_T1T2SSLim_HwNm_f32	6.91960001
k_T1T2TransFiltLim_HwNm_f32	5.32159996
k_T1vsT2TrqSum_HwNm_f32	11.5699997
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	1.23658383	1.23658383 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0616129041	0.0616128817 ± 0.00000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	1.23658383	1.23658383 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.605800033	0.605799973 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-9.39120007	-9.39120007 ± 0.0024414	✓

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.49 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-9.25			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-10			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	6.9369998			
DigHwTrqSENT_T1_HwNm_M_f32	-5.41529989			
DigHwTrqSENT_T2_HwNm_M_f32	4.34200001			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-1.74399996			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.136299998			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-10.1370001			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-15.6090002			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	10.4289999			
k_T1T2SSLim_HwNm_f32	7.09000015			
k_T1T2TransFiltLim_HwNm_f32	5.45200014			
k_T1vsT2TrqSum_HwNm_f32	11.9899998			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-1.59369218	-1.5936923 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-1.59369218	-1.5936923 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.536649942	-0.536650002 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-10	-10 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2



Test Step 3.50 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-8.25			
DigHwTrqSENT_HwTrq_HwNm_M_f32	10			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-7.49300003			
DigHwTrqSENT_T1_HwNm_M_f32	5.71600008			
DigHwTrqSENT_T2_HwNm_M_f32	-4.78100014			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	2.21000004			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.138400003			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	10.5830002			
DigHwTrqSENT_TrqSum_HwNm_M_f32	16.1399994			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	10.6529999			
k_T1T2SSLim_HwNm_f32	7.26039982			
k_T1T2TransFiltLim_HwNm_f32	5.58239985			
k_T1vsT2TrqSum_HwNm_M_f32	12.4099998			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	1.92120397	1.92120397 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.165736616	0.165736586 ± 0.0000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	1.92120397	1.92120397 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.467499971	0.467500001 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	10	10 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2



Test Step 3.51 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-7.25			
DigHwTrqSENT_HwTrq_HwNm_M_f32	0			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	8.04899979			
DigHwTrqSENT_T1_HwNm_M_f32	-6.01669979			
DigHwTrqSENT_T2_HwNm_M_f32	5.21999979			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-2.67600012			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.140499994			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.0290003			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-16.6709995			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	10.8769999			
k_T1T2SSLim_HwNm_f32	7.43079996			
k_T1T2TransFiltLim_HwNm_f32	5.71280003			
k_T1vsT2TrqSum_HwNm_M_f32	12.8299999			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-2.56540632	-2.56540608 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.048556149	0.0485561527 ± 0.00000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-2.56540632	-2.56540608 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.39835	-0.39835 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	0	0 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.52 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-6.25
DigHwTrqSENT_HwTrq_HwNm_M_f32	6.19999981
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-8.60499954
DigHwTrqSENT_T1_HwNm_M_f32	6.31739998
DigHwTrqSENT_T2_HwNm_M_f32	-5.65899992
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	3.14199996
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.1426
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	11.4750004
DigHwTrqSENT_TrqSum_HwNm_M_f32	17.2019997
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	11.1009998
k_T1T2SSLim_HwNm_f32	7.6012001
k_T1T2TransFiltLim_HwNm_f32	5.84320021
k_T1vsT2TrqSum_HwNm_f32	13.25
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	2.96869516	2.9686954 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0616129041	0.0616128817 ± 0.00000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	2.96869516	2.9686954 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.329200029	0.3292 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	6.19999981	6.19999981 ± 0.0024414	✓

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.53 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	14.8671999
DigHwTrqSENT_HwTrq_HwNm_M_f32	-6.32000017
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	9.16100025
DigHwTrqSENT_T1_HwNm_M_f32	-6.61810017
DigHwTrqSENT_T2_HwNm_M_f32	6.09800005
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.60800004
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.144700006
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.9209995
DigHwTrqSENT_TrqSum_HwNm_M_f32	-17.7329998
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	11.3249998
k_T1T2SSLim_HwNm_f32	7.77159977
k_T1T2TransFiltLim_HwNm_f32	5.97359991
k_T1vsT2TrqSum_HwNm_f32	13.6700001
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.19120049	-3.19120049 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-3.19120049	-3.19120049 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.260050058	-0.260049999 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-6.32000017	-6.32000017 ± 0.0024414	✓

T ✓				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.54 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-20			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.5656004			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-9.71700001			
DigHwTrqSENT_T1_HwNm_M_f32	-5.41529989			
DigHwTrqSENT_T2_HwNm_M_f32	4.34200001			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-1.74399996			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.136299998			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-10.1370001			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-15.6090002			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	11.5489998			
k_T1T2SSLim_HwNm_f32	7.09000015			
k_T1T2TransFiltLim_HwNm_f32	5.45200014			
k_T1vsT2TrqSum_HwNm_f32	11.9899998			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-1.59369218	-1.5936923 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-1.59369218	-1.5936923 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.536649942	-0.536650002 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-8.5656004	-8.5656004 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.55 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	20			
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.77200031			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	10.2729998			
DigHwTrqSENT_T1_HwNm_M_f32	5.71600008			
DigHwTrqSENT_T2_HwNm_M_f32	-4.78100014			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	2.21000004			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.138400003			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	10.5830002			
DigHwTrqSENT_TrqSum_HwNm_M_f32	16.1399994			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	11.7729998			
k_T1T2SSLim_HwNm_f32	7.26039982			
k_T1T2TransFiltLim_HwNm_f32	5.58239985			
k_T1vsT2TrqSum_HwNm_f32	12.4099998			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	1.92120397	1.92120397 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.165736616	0.165736586 ± 0.0000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	1.92120397	1.92120397 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.467499971	0.467500001 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	8.77200031	8.77200031 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.56 (Repeat Count = 1)				
Name		Input Value		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32		0		
DigHwTrqSENT_HwTrq_HwNm_M_f32		-8.97840023		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32		-10.8290005		
DigHwTrqSENT_T1_HwNm_M_f32		-6.01669979		
DigHwTrqSENT_T2_HwNm_M_f32		5.21999979		
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32		-2.67600012		
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32		0.140499994		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32		-11.0290003		
DigHwTrqSENT_TrqSum_HwNm_M_f32		-16.6709995		
Rte_Inst_Sa_DigHwTrqSENT		tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_CMCLPFOutLim_HwNm_f32		11.9969997		
k_T1T2SSLim_HwNm_f32		7.43079996		
k_T1T2TransFiltLim_HwNm_f32		5.71280003		
k_T1vsT2TrqSum_HwNm_f32		12.8299999		
t_T1T2DepTrsTimecon_Hz_u6p10[0]		2028		
t_T1T2DepTrsTimecon_Hz_u6p10[1]		4055		
t_T1T2DepTrsTimecon_Hz_u6p10[2]		6083		
t_T1T2DepTrsTimecon_Hz_u6p10[3]		8110		
t_T1T2DepTrsTimecon_Hz_u6p10[4]		10138		
t_T1T2DepTrsTimecon_Hz_u6p10[5]		12165		
t_T1T2DepTrsTimecon_Hz_u6p10[6]		14193		
t_T1T2DepTrsTimecon_Hz_u6p10[7]		16220		
t_T1T2DepTrsTimecon_Hz_u6p10[8]		18248		
t_T1T2DepTrsTimecon_Hz_u6p10[9]		20275		
t_T1T2DepTrsTimecon_Hz_u6p10[10]		22303		
t_T1T2DepTrsTimecon_Hz_u6p10[11]		24330		
t_T1T2DepTrsTimecon_Hz_u6p10[12]		26358		
t_T1T2DepTrsTimecon_Hz_u6p10[13]		28385		
t_T1T2DepTrsTimecon_Hz_u6p10[14]		30413		
t_T1T2DepTrsTimecon_Hz_u6p10[15]		32440		
t_T1T2DepTrsTimecon_Hz_u6p10[16]		34468		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]		2232		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]		3523		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]		4813		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]		6103		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]		7393		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]		8684		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]		9974		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]		11264		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]		12554		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]		13844		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]		15135		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]		16425		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]		17715		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]		19005		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]		20296		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]		21586		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]		22876		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc		tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-2.56540632	-2.56540608 ± 0.000976	✔	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.048556149	0.0485561527 ± 0.00000009	✔	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-2.56540632	-2.56540608 ± 0.000976	✔	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.39835	-0.39835 ± 0.000976	✔	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✔	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-8.97840023	-8.97840023 ± 0.0024414	✔	
T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✔
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✔
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✔

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DigHwTrqSENT_Per2

Test Step 3.57 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	4.5			
DigHwTrqSENT_HwTrq_HwNm_M_f32	9.18480015			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	11.3850002			
DigHwTrqSENT_T1_HwNm_M_f32	6.31739998			
DigHwTrqSENT_T2_HwNm_M_f32	-5.65899992			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	3.14199996			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.1426			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	11.4750004			
DigHwTrqSENT_TrqSum_HwNm_M_f32	17.2019997			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	12.2209997			
k_T1T2SSLim_HwNm_f32	7.6012001			
k_T1T2TransFiltLim_HwNm_f32	5.84320021			
k_T1vsT2TrqSum_HwNm_f32	13.25			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	2.96869516	2.9686954 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0616129041	0.0616128817 ± 0.00000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	2.96869516	2.9686954 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.329200029	0.3292 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	9.18480015	9.18480015 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.58 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-4.21000004			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-9.39120007			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-11.941			
DigHwTrqSENT_T1_HwNm_M_f32	-6.61810017			
DigHwTrqSENT_T2_HwNm_M_f32	6.09800005			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.60800004			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.144700006			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.9209995			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-17.7329998			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	12.4449997			
k_T1T2SSLim_HwNm_f32	7.77159977			
k_T1T2TransFiltLim_HwNm_f32	5.97359991			
k_T1vsT2TrqSum_HwNm_f32	13.6700001			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.19120049	-3.19120049 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-3.19120049	-3.19120049 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.260050058	-0.260049999 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-9.39120007	-9.39120007 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.59 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	13.7631998
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.97840023
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	12.4969997
DigHwTrqSENT_T1_HwNm_M_f32	-6.01669979
DigHwTrqSENT_T2_HwNm_M_f32	5.21999979
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-2.67600012
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.140499994
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.0290003
DigHwTrqSENT_TrqSum_HwNm_M_f32	-16.6709995
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	0
k_T1T2SSLim_HwNm_f32	7.43079996
k_T1T2TransFiltLim_HwNm_f32	5.71280003
k_T1vsT2TrqSum_HwNm_M_f32	12.8299999
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-2.56540632	-2.56540608 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.048556149	0.0485561527 ± 0.00000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-2.56540632	-2.56540608 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.39835	-0.39835 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc.value	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-8.97840023	-8.97840023 ± 0.0024414	✓

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.60 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	14.0391998			
DigHwTrqSENT_HwTrq_HwNm_M_f32	9.18480015			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-13.0530005			
DigHwTrqSENT_T1_HwNm_M_f32	6.31739998			
DigHwTrqSENT_T2_HwNm_M_f32	-5.65899992			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	3.14199996			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.1426			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	11.4750004			
DigHwTrqSENT_TrqSum_HwNm_M_f32	17.2019997			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	20			
k_T1T2SSLim_HwNm_f32	7.6012001			
k_T1T2TransFiltLim_HwNm_f32	5.84320021			
k_T1vsT2TrqSum_HwNm_f32	13.25			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	2.96869516	2.9686954 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0616129041	0.0616128817 ± 0.00000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	2.96869516	2.9686954 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.329200029	0.3292 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	9.18480015	9.18480015 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.61 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	14.3151999			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-9.39120007			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0.740999997			
DigHwTrqSENT_T1_HwNm_M_f32	-6.61810017			
DigHwTrqSENT_T2_HwNm_M_f32	6.09800005			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.60800004			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.144700006			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.9209995			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-17.7329998			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	10.0200005			
k_T1T2SSLim_HwNm_f32	7.77159977			
k_T1T2TransFiltLim_HwNm_f32	5.97359991			
k_T1vsT2TrqSum_HwNm_f32	13.6700001			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.19120049	-3.19120049 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-3.19120049	-3.19120049 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.260050058	-0.260049999 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-9.39120007	-9.39120007 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.62 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	13.4871998
DigHwTrqSENT_HwTrq_HwNm_M_f32	9.18480015
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-20
DigHwTrqSENT_T1_HwNm_M_f32	6.31739998
DigHwTrqSENT_T2_HwNm_M_f32	-5.65899992
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	3.14199996
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.1426
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	11.4750004
DigHwTrqSENT_TrqSum_HwNm_M_f32	17.2019997
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	11.1009998
k_T1T2SSLim_HwNm_f32	7.6012001
k_T1T2TransFiltLim_HwNm_f32	5.84320021
k_T1vsT2TrqSum_HwNm_f32	13.25
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	2.96869516	2.9686954 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0616129041	0.0616128817 ± 0.00000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	2.96869516	2.9686954 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.329200029	0.3292 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	9.18480015	9.18480015 ± 0.0024414	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.63 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	13.7631998			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-9.39120007			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	20			
DigHwTrqSENT_T1_HwNm_M_f32	-6.61810017			
DigHwTrqSENT_T2_HwNm_M_f32	6.09800005			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.60800004			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.144700006			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.9209995			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-17.7329998			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	11.3249998			
k_T1T2SSLim_HwNm_f32	7.77159977			
k_T1T2TransFiltLim_HwNm_f32	5.97359991			
k_T1vsT2TrqSum_HwNm_f32	13.6700001			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.19120049	-3.19120049 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-3.19120049	-3.19120049 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.260050058	-0.260049999 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-9.39120007	-9.39120007 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.64 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-1			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.97840023			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0			
DigHwTrqSENT_T1_HwNm_M_f32	-6.01669979			
DigHwTrqSENT_T2_HwNm_M_f32	5.21999979			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-2.67600012			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.140499994			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.0290003			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-16.6709995			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	11.5489998			
k_T1T2SSLim_HwNm_f32	7.43079996			
k_T1T2TransFiltLim_HwNm_f32	5.71280003			
k_T1vsT2TrqSum_HwNm_M_f32	12.8299999			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-2.56540632	-2.56540608 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.048556149	0.0485561527 ± 0.00000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-2.56540632	-2.56540608 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.39835	-0.39835 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-8.97840023	-8.97840023 ± 0.0024414	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.65 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-2
DigHwTrqSENT_HwTrq_HwNm_M_f32	9.18480015
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	4.01999998
DigHwTrqSENT_T1_HwNm_M_f32	6.31739998
DigHwTrqSENT_T2_HwNm_M_f32	-5.65899992
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	3.14199996
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.1426
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	11.4750004
DigHwTrqSENT_TrqSum_HwNm_M_f32	17.2019997
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	11.7729998
k_T1T2SSLim_HwNm_f32	7.6012001
k_T1T2TransFiltLim_HwNm_f32	5.84320021
k_T1vsT2TrqSum_HwNm_f32	13.25
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	2.96869516	2.9686954 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0616129041	0.0616128817 ± 0.00000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	2.96869516	2.9686954 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.329200029	0.3292 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	9.18480015	9.18480015 ± 0.0024414	✓

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✓
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per2

Test Step 3.66 (Repeat Count = 1)				
Name		Input Value		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32		-3		
DigHwTrqSENT_HwTrq_HwNm_M_f32		-9.39120007		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32		-4.32000017		
DigHwTrqSENT_T1_HwNm_M_f32		-6.61810017		
DigHwTrqSENT_T2_HwNm_M_f32		6.09800005		
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32		-3.60800004		
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32		0.144700006		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32		-11.9209995		
DigHwTrqSENT_TrqSum_HwNm_M_f32		-17.7329998		
Rte_Inst_Sa_DigHwTrqSENT		tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_CMCLPFOutLim_HwNm_f32		11.9969997		
k_T1T2SSLim_HwNm_f32		7.77159977		
k_T1T2TransFiltLim_HwNm_f32		5.97359991		
k_T1vsT2TrqSum_HwNm_f32		13.6700001		
t_T1T2DepTrsTimecon_Hz_u6p10[0]		5417		
t_T1T2DepTrsTimecon_Hz_u6p10[1]		7322		
t_T1T2DepTrsTimecon_Hz_u6p10[2]		9226		
t_T1T2DepTrsTimecon_Hz_u6p10[3]		11131		
t_T1T2DepTrsTimecon_Hz_u6p10[4]		13036		
t_T1T2DepTrsTimecon_Hz_u6p10[5]		14940		
t_T1T2DepTrsTimecon_Hz_u6p10[6]		16845		
t_T1T2DepTrsTimecon_Hz_u6p10[7]		18749		
t_T1T2DepTrsTimecon_Hz_u6p10[8]		20654		
t_T1T2DepTrsTimecon_Hz_u6p10[9]		22559		
t_T1T2DepTrsTimecon_Hz_u6p10[10]		24463		
t_T1T2DepTrsTimecon_Hz_u6p10[11]		26368		
t_T1T2DepTrsTimecon_Hz_u6p10[12]		28273		
t_T1T2DepTrsTimecon_Hz_u6p10[13]		30177		
t_T1T2DepTrsTimecon_Hz_u6p10[14]		32082		
t_T1T2DepTrsTimecon_Hz_u6p10[15]		33987		
t_T1T2DepTrsTimecon_Hz_u6p10[16]		35891		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]		4792		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]		6144		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]		7496		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]		8847		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]		10199		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]		11551		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]		12902		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]		14254		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]		15606		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]		16957		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]		18309		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]		19661		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]		21012		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]		22364		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]		23716		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]		25068		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]		26419		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc		tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.19120049	-3.19120049 ± 0.000976	✔	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✔	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-3.19120049	-3.19120049 ± 0.000976	✔	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.260050058	-0.260049999 ± 0.000976	✔	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✔	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✔	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-9.39120007	-9.39120007 ± 0.0024414	✔	
T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP0_CheckpointReached	1	✔
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus	3	✔
Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per2_CP1_CheckpointReached	1	✔

TEST DETAILS REPORT

DigHwTrqSENT_Per2

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DigHwTrqSENT_Per1



Project	
Module	
Test Object	

Instrumentation: Test Object and Called Functions

Statement (C0) Coverage	
Decision Coverage	
Branch (C1) Coverage	
MCC Coverage	
MC/DC Coverage	

Statistics

Total Testcases	
Successful	✓
Failed	
Not Executed	

Module Properties

Project Root Directory	
Configuration File	
Target Environment	
Kind of Test	
Linker Options	
Source File(s)	
File	
Compiler Options	
File	
Compiler Options	

Comments/Description/Specification

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

TEST DETAILS REPORT

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DigHwTrqSENT_Per1



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 3.2
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\CBD_DigHwTrqSENT\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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DigHwTrqSENT_Per1



Test Case 1: Metrics Test

Specification Performance Metrics:
(With "None" instrumentation and WithPS Environment)

CPU Cycles:
TC 1.1 843.00 Cycles
TC 1.2 844.00 Cycles

Description

Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓
				✓
				✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

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DigHwTrqSENT_Per1

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓
					✓
					✓

TEST DETAILS REPORT

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DigHwTrqSENT_Per1

Test Case 2: Boundary Test

Specification	Performance Metrics: (With "None" instrumentation and WithPS Environment)
	CPU Cycles:
	TC2.1 849.00 Cycles
	TC2.2 844.00 Cycles
	TC2.3 844.00 Cycles
	TC2.4 843.00 Cycles
	TC2.5 843.00 Cycles
	TC2.6 843.00 Cycles
	TC2.7 843.00 Cycles
	TC2.8 840.00 Cycles
	TC2.9 843.00 Cycles
	TC2.10 843.00 Cycles
	TC2.11 843.00 Cycles
	TC2.12 843.00 Cycles
	TC2.13 838.00 Cycles
	TC2.14 846.00 Cycles
	TC2.15 838.00 Cycles
	TC2.16 843.00 Cycles
	TC2.17 843.00 Cycles
	TC2.18 843.00 Cycles
	TC2.19 843.00 Cycles
	TC2.20 843.00 Cycles
	TC2.21 843.00 Cycles
	TC2.22 843.00 Cycles
	TC2.23 843.00 Cycles
	TC2.24 843.00 Cycles
	TC2.25 843.00 Cycles
	TC2.26 843.00 Cycles
	TC2.27 843.00 Cycles
	TC2.28 843.00 Cycles
	TC2.29 843.00 Cycles
	TC2.30 843.00 Cycles
	TC2.31 843.00 Cycles
	TC2.32 843.00 Cycles
	TC2.33 843.00 Cycles
	TC2.34 843.00 Cycles
	TC2.35 843.00 Cycles
	TC2.36 843.00 Cycles
	TC2.37 843.00 Cycles
	TC2.38 843.00 Cycles
	TC2.39 843.00 Cycles
	TC2.40 843.00 Cycles

Description

Test Step 2.1 (Repeat Count = 1)

Name	Input Value

DigHwTrqSENT_Per1

[illegible]

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DigHwTrqSENT_Per1

Name	Input Value

TEST DETAILS REPORT

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DigHwTrqSENT_Per1



Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓
				✓
				✓

Test Step 2.6 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓
				✓
				✓

Test Step 2.7 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

DigHwTrqSENT_Per1



Actual Function	Count	Expected Function	Count	Result
				✓
				✓
				✓



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DigHwTrqSENT_Per1



Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓
					✓
					✓

Test Step 2.13 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓
					✓
					✓

Test Step 2.14 (Repeat Count = 1) ✓

Name	Input Value

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DigHwTrqSENT_Per1



Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓
					✓

Test Step 2.15 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓
					✓

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DigHwTrqSENT_Per1



Test Step 2.16 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T ✓

Actual Function	Count	Expected Function	Count	Result
				✓
				✓
				✓

Test Step 2.17 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T ✓

Actual Function	Count	Expected Function	Count	Result
				✓
				✓
				✓

Test Step 2.18 (Repeat Count = 1) ✓

Name	Input Value

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DigHwTrqSENT_Per1



Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓
					✓

Test Step 2.19 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓
					✓

Test Step 2.20 (Repeat Count = 1) ✓

Name	Input Value

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DigHwTrqSENT_Per1



Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓
				✓
				✓

Test Step 2.21 (Repeat Count = 1) ✓

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓
				✓
				✓

Test Step 2.22 (Repeat Count = 1) ✓

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓

TEST DETAILS REPORT

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DigHwTrqSENT_Per1

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓
					✓
					✓

Test Step 2.23 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓
					✓
					✓

Test Step 2.24 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

DigHwTrqSENT_Per1



Actual Function	Count	Expected Function	Count	Result
				✓
				✓
				✓

TEST DETAILS REPORT

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DigHwTrqSENT_Per1



Test Step 2.27 (Repeat Count = 1) ✓

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T ✓				
Actual Function	Count	Expected Function	Count	Result
				✓
				✓
				✓

Test Step 2.28 (Repeat Count = 1) ✓

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T ✓				
Actual Function	Count	Expected Function	Count	Result
				✓
				✓
				✓

Test Step 2.29 (Repeat Count = 1) ✓

Name	Input Value		

DigHwTrqSENT_Per1

[illegible]

TEST DETAILS REPORT

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DigHwTrqSENT_Per1



Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓
					✓

Test Step 2.32 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓
					✓

TEST DETAILS REPORT

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DigHwTrqSENT_Per1



Test Step 2.33 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T ✓

Actual Function	Count	Expected Function	Count	Result
				✓
				✓
				✓

Test Step 2.34 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T ✓

Actual Function	Count	Expected Function	Count	Result
				✓
				✓
				✓

Test Step 2.35 (Repeat Count = 1) ✓

Name	Input Value

TEST DETAILS REPORT

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DigHwTrqSENT_Per1



Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓
					✓

Test Step 2.36 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓
					✓

Test Step 2.37 (Repeat Count = 1) ✓

Name	Input Value

DigHwTrqSENT_Per1



T				
Actual Function	Count	Expected Function	Count	Result
				✓
				✓
				✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓
				✓
				✓

Test Step 2.39 (Repeat Count = 1)			
Name	Input Value		
Name	Actual Value	Expected Value	Result

TEST DETAILS REPORT

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DigHwTrqSENT_Per1

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓
					✓
					✓

Test Step 2.40 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓
					✓
					✓

TEST DETAILS REPORT

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DigHwTrqSENT_Init1



Project	CBD_DigHwTrqSENT
Module	DigHwTrqSENT
Test Object	DigHwTrqSENT_Init1

Instrumentation: Test Object and Called Functions

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\CBD_DigHwTrqSENT
Configuration File	D:\Synergy_Work_Area\CBD_DigHwTrqSENT\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)\DigHwTrqSENT\src\Sa_DigHwTrqSENT.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_OFF -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include \TMS570_HerculesRegs -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_OFF -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include \TMS570_HerculesRegs -I\$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
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TEST DETAILS REPORT

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DigHwTrqSENT_Init1

Module 'DigHwTrqSENT'

*****UNIT TEST DESCRIPTION*****

Name of Tester: Ankita Bhardwaj
Code File(s) Under Test: Sa_DigHwTrqSENT.c
Code File(s) Version: 8
Module Design Document: DigHwTrqSENT_MDD.docx
Module Design Document Version: 11
Data Dictionary Version: 8
Unit Test Plan Version: 5
Optimization Level: Level 2
Compiler (CodeGen) Version: TMS570_4.9.5
Model Type: Excel Macro
Model Version: Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.30
Total FLASH Used (Bytes): 1638
Total RAM Used (Bytes): 84
Total CALS Used (Bytes): 108
Special Test Requirements:
Test Date: 8/22/2014
Comments: NOTE1: Inline functions declared in GlobalMacro.h are not Unit Tested.

NOTE2: "CBD_Sandbox_dbg.map" map file is embedded for reference.

NOTE3: Low MC/DC coverage in function "DigHwTrqSENT_SCom_ClrTrqTrim" as the path "if(D_TRIMNOTPERFORMED_CNT_LGC == Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc)" at line number 1210 of source code cannot be made FALSE which has been called in function "TrimNotPerfDiag" as "Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc" gets updated with const "D_TRIMNOTPERFORMED_CNT_LGC" having value FALSE always."

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 3.2
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\CBD_DigHwTrqSENT\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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DigHwTrqSENT_Init1



Test Case 1: Metrics Test

Specification	Performance Metrics: (With "None" instrumentation and WithPS Environment)
	CPU Cycles: TS1.1 8137.00 Cycles TS1.2 8243.00 Cycles
Description	Vector Description: TS1.1 Shortest Execution Path:=> if (NVM_REQ_OK != NvMBlkStatus_Cnt_T_u8) = True if (NVM_REQ_OK != NvMBlkStatus_Cnt_T_u8)=TRUE" TS1.2 Longest Execution Path:=> if (NVM_REQ_OK != NvMBlkStatus_Cnt_T_u8) = False if (NVM_REQ_OK != NvMBlkStatus_Cnt_T_u8)=FALSE"

Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	13		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.10145		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-6.68		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	6		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.4441		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	13		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.559		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	0		
k_T1T2CMCLPFFc_Hz_f32	0.649		
k_T1T2SSLPFFc_Hz_f32	4.882		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	2		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	6		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-6.67999983	-6.68 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.334873974	0.334873963 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-6.67999983	-6.68 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0	0 ± 0.000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.953460395	0.95346037 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x01	0x01	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	6
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.41295
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	18.63
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-1
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.7556
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	-15
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.3195
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_HwTrqLPFFc_Hz_f32	11.38

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DigHwTrqSENT_Init1

Name	Input Value		
k_T1T2CMCLPFFc_Hz_f32	8.584		
k_T1T2SSLPFFc_Hz_f32	8.691		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	0		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	18.6299992	18.63 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.995453894	0.995453903 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	18.6299992	18.63 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.133250535	0.133250523 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.995749474	0.99574949 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x00	0x00	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x00	0x00	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Case 2: Path Test

Specification	<p>Performance Metrics: (With "None" instrumentation and WithPS Environment)</p> <p>CPU Cycles:</p> <p>TS2.1 8240.00 Cycles TS2.2 8241.00 Cycles</p>
Description	<p>Vector Description:</p> <p>TS2.1 (NVM_REQ_OK <> NvMBlkStatus_Cnt_T_u8) ==> TRUE TS2.2 (NVM_REQ_OK <> NvMBlkStatus_Cnt_T_u8) ==> FALSE</p>

Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	-20		
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.3818		
DigHwTrqSENT_CMCfiltSV_HwNm_M_f32	-9.989		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.72445		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	5		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.28835		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	177.968		
k_T1T2CMCLPFFc_Hz_f32	0.578		
k_T1T2SSLPFFc_Hz_f32	3.54		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	2		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	69		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	-9.98900032	-9.989 ± 0.000976	✔
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.304530501	0.304530492 ± 0.0000009	✔
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32	-9.98900032	-9.989 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.893158853	0.89315882 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔

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DigHwTrqSENT_Init1

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.891851246	0.891851241 ± 0.0000009	✓
NTC	0x0C	0x0C	✓
Param	0x02	0x02	✓
Status	0x01	0x01	✓
NTC	0xFB	0xFB	✓
Param	0x01	0x01	✓
Status	0x00	0x00	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	

Test Step 2.2 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	6		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.41295		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	18.63		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-1		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.7556		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	-15		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.3195		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	11.38		
k_T1T2CMCLPFFc_Hz_f32	8.584		
k_T1T2SSLPFFc_Hz_f32	8.691		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	0		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	18.6299992	18.63 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.995453894	0.995453903 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	18.6299992	18.63 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.133250535	0.133250523 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.995749474	0.99574949 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x00	0x00	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x00	0x00	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	

Test Case 3: Bounday Test

Specification

Performance Metrics:
(With "None" instrumentation and WithPS
Environment)

CPU Cycles:

TS3.1 7944.00 Cycles
TS3.2 8262.00 Cycles
TS3.3 8163.00 Cycles
TS3.4 8276.00 Cycles
TS3.5 8280.00 Cycles
TS3.6 8171.00 Cycles
TS3.7 8258.00 Cycles
TS3.8 8259.00 Cycles
TS3.9 8261.00 Cycles
TS3.10 8261.00 Cycles
TS3.11 8273.00 Cycles
TS3.12 8265.00 Cycles
TS3.13 8265.00 Cycles
TS3.14 8267.00 Cycles
TS3.15 8272.00 Cycles
TS3.16 8281.00 Cycles
TS3.17 8278.00 Cycles
TS3.18 8276.00 Cycles
TS3.19 8278.00 Cycles
TS3.20 8253.00 Cycles
TS3.21 8248.00 Cycles
TS3.22 8251.00 Cycles
TS3.23 8252.00 Cycles
TS3.24 8253.00 Cycles
TS3.25 8259.00 Cycles
TS3.26 8265.00 Cycles
TS3.27 8263.00 Cycles
TS3.28 8265.00 Cycles
TS3.29 8267.00 Cycles
TS3.30 8167.00 Cycles
TS3.31 8274.00 Cycles
TS3.32 8274.00 Cycles
TS3.33 8275.00 Cycles
TS3.34 8275.00 Cycles
TS3.35 8282.00 Cycles
TS3.36 8280.00 Cycles
TS3.37 8254.00 Cycles
TS3.38 8252.00 Cycles
TS3.39 8253.00 Cycles
TS3.40 8252.00 Cycles
TS3.41 8255.00 Cycles
TS3.42 8258.00 Cycles
TS3.43 8258.00 Cycles
TS3.44 8265.00 Cycles
TS3.45 8267.00 Cycles
TS3.46 8267.00 Cycles

Description

Vector Description:

TS3.1 All Min
TS3.2 All Max
TS3.3 k_HwTrqLPFFc_Hz_f32==>Min
TS3.4 k_HwTrqLPFFc_Hz_f32==>Max
TS3.5 k_HwTrqLPFFc_Hz_f32==>Pos
TS3.6 k_T1T2SSLPFFc_Hz_f32==>Min
TS3.7 k_T1T2SSLPFFc_Hz_f32==>Max
TS3.8 k_T1T2SSLPFFc_Hz_f32==>Pos
TS3.9 DigHwTrqSENT_DigHwTrqKSV_M_str.SV==>Min
TS3.10 DigHwTrqSENT_DigHwTrqKSV_M_str.SV==>Max
TS3.11 DigHwTrqSENT_DigHwTrqKSV_M_str.SV==>Pos
TS3.12 DigHwTrqSENT_DigHwTrqKSV_M_str.SV==>Zero
TS3.13 DigHwTrqSENT_DigHwTrqKSV_M_str.SV==>Neg
TS3.14 DigHwTrqSENT_DigHwTrqKSV_M_str.K==>Min
TS3.15 DigHwTrqSENT_DigHwTrqKSV_M_str.K==>Max
TS3.16 DigHwTrqSENT_DigHwTrqKSV_M_str.K==>Pos
TS3.17 DigHwTrqSENT_SSFiltKSV_M_str.SV==>Min
TS3.18 DigHwTrqSENT_SSFiltKSV_M_str.SV==>Max
TS3.19 DigHwTrqSENT_SSFiltKSV_M_str.SV==>Pos
TS3.20 DigHwTrqSENT_SSFiltKSV_M_str.SV==>Zero
TS3.21 DigHwTrqSENT_SSFiltKSV_M_str.SV==>Neg
TS3.22 DigHwTrqSENT_SSFiltKSV_M_str.K==>Min
TS3.23 DigHwTrqSENT_SSFiltKSV_M_str.K==>Max
TS3.24 DigHwTrqSENT_SSFiltKSV_M_str.K==>Pos
TS3.25 DigHwTrqSENT_CMCFiltSV_HwNm_M_f32==>Min
TS3.26 DigHwTrqSENT_CMCFiltSV_HwNm_M_f32==>Max
TS3.27 DigHwTrqSENT_CMCFiltSV_HwNm_M_f32==>Pos
TS3.28 DigHwTrqSENT_CMCFiltSV_HwNm_M_f32==>Zero
TS3.29 DigHwTrqSENT_CMCFiltSV_HwNm_M_f32==>Neg
TS3.30 k_T1T2CMCLPFFc_Hz_f32==>Min
TS3.31 k_T1T2CMCLPFFc_Hz_f32==>Max
TS3.32 k_T1T2CMCLPFFc_Hz_f32==>Pos
TS3.33 DigHwTrqSENT_CMCFiltKSV_M_str.SV==>Min
TS3.34 DigHwTrqSENT_CMCFiltKSV_M_str.SV==>Max
TS3.35 DigHwTrqSENT_CMCFiltKSV_M_str.SV==>Pos
TS3.36 DigHwTrqSENT_CMCFiltKSV_M_str.SV==>Zero
TS3.37 DigHwTrqSENT_CMCFiltKSV_M_str.SV==>Neg
TS3.38 DigHwTrqSENT_CMCFiltKSV_M_str.K==>Min
TS3.39 DigHwTrqSENT_CMCFiltKSV_M_str.K==>Max
TS3.40 DigHwTrqSENT_CMCFiltKSV_M_str.K==>Pos
TS3.41 MECCounter_Cnt_enum==>ProductionMode
TS3.42 MECCounter_Cnt_enum==>EngineeringMode
TS3.43 MECCounter_Cnt_enum==>ManufacturingMode
TS3.44 GetErrorStatus ==> Min
TS3.45 GetErrorStatus ==> Max
TS3.46 GetErrorStatus ==> Pos

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DigHwTrqSENT_Init1

Test Step 3.1 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-20
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-20
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-20
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-20
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_HwTrqLPFFc_Hz_f32	0
k_T1T2CMCLPFFc_Hz_f32	0
k_T1T2SSLPFFc_Hz_f32	0
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	0
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	0
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-20	-20 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0	0 ± 0.000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-20	-20 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0	0 ± 0.000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0	0 ± 0.000009	✓
NTC	0x0C	0x0C	✓
Param	0x02	0x02	✓
Status	0x00	0x00	✓
NTC	0xFB	0xFB	✓
Param	0x01	0x01	✓
Status	0x01	0x01	✓

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.2 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	20
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.998132557
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	20
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	20
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.998132557
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	20
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.998132557
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_HwTrqLPFFc_Hz_f32	500
k_T1T2CMCLPFFc_Hz_f32	10
k_T1T2SSLPFFc_Hz_f32	10
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	2
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	255
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	20	20 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.998132586	0.998132557 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	20	20 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.998132586	0.998132557 ± 0.0000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.998132586	0.998132557 ± 0.0000009	✓

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DigHwTrqSENT_Init1

Name	Actual Value	Expected Value	Result
NTC	0x0C	0x0C	✓
Param	0x02	0x02	✓
Status	0x01	0x01	✓
NTC	0xFB	0xFB	✓
Param	0x01	0x01	✓
Status	0x00	0x00	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.3 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	13		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.10145		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-6.68		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	6		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.4441		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	13		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.559		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	0		
k_T1T2CMCLPFFc_Hz_f32	0.649		
k_T1T2SSLPFFc_Hz_f32	4.882		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	2		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	6		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-6.67999983	-6.68 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.334873974	0.334873963 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-6.67999983	-6.68 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0	0 ± 0.000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.953460395	0.95346037 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x01	0x01	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.4 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-14
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.1326
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	20
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-9
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.47525
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	9.1
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.608
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS

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DigHwTrqSENT_Init1

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	500		
k_T1T2CMCLPFFc_Hz_f32	1.664		
k_T1T2SSLPFFc_Hz_f32	3.0024		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	1		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	13		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	20	20 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.64849174	0.648491728 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	20	20 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.998132586	0.998132557 ± 0.0000009	✔
DigHwTrqSENT_SSDFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSDFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSDFiltKSV_M_str.K_Uls_f32	0.848392963	0.848392988 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x00	0x00	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSta	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	

Test Step 3.5 (Repeat Count = 1)				✓
Name		Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32		12		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32		0.16375		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32		3.7407		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		12		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.5064		
DigHwTrqSENT_SSFillKSV_M_str.SV_Uls_f32		16		
DigHwTrqSENT_SSFillKSV_M_str.K_Uls_f32		0.657		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error		tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT		tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32		83.12		
k_T1T2CMCLPFFc_Hz_f32		3.474		
k_T1T2SSLPFFc_Hz_f32		9.598		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value		2		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc		0		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		20		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum		tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim		tgt_Pim_DigTrqTrim		
Name		Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32		3.74070001	3.7407 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32		0.88727212	0.887272128 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32		3.74070001	3.7407 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.648138285	0.648138176 ± 0.0000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32		0	0 ± 0.000976	✓
DigHwTrqSENT_SSFillKSV_M_str.SV_Uls_f32		0	0 ± 0.000976	✓
DigHwTrqSENT_SSFillKSV_M_str.K_Uls_f32		0.997595966	0.997595952 ± 0.0000009	✓
NTC		0x0C	0x0C	✓
Param		0x02	0x02	✓
Status		0x01	0x01	✓
NTC		0xFB	0xFB	✓
Param		0x01	0x01	✓
Status		0x01	0x01	✓

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T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.6 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-3
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.1949
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	1.5899
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-12.1
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.53755
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	-11
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.10145
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_HwTrqLPFFc_Hz_f32	72.68
k_T1T2CMCLPFFc_Hz_f32	4.7921
k_T1T2SSLPFFc_Hz_f32	0
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	0
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	27
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	1.58990002	1.5899 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.950755894	0.950755876 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	1.58990002	1.5899 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.598811507	0.598811471 ± 0.0000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0	0 ± 0.000009	✓
NTC	0x0C	0x0C	✓
Param	0x02	0x02	✓
Status	0x01	0x01	✓
NTC	0xFB	0xFB	✓
Param	0x01	0x01	✓
Status	0x01	0x01	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.7 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	2
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.22605
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-14.5
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	6
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.5687
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	-6
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.1326
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_HwTrqLPFFc_Hz_f32	75.788
k_T1T2CMCLPFFc_Hz_f32	4.65
k_T1T2SSLPFFc_Hz_f32	10
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	2
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	34
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum

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DigHwTrqSENT_Init1

Name	Input Value		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	-14.5	-14.5 ± 0.000976	✓
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.946156919	0.946156908 ± 0.0000009	✓
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32	-14.5	-14.5 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.614178419	0.614178363 ± 0.0000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.998132586	0.998132557 ± 0.0000009	✓
NTC	0x0C	0x0C	✓
Param	0x02	0x02	✓
Status	0x01	0x01	✓
NTC	0xFB	0xFB	✓
Param	0x01	0x01	✓
Status	0x00	0x00	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	

Test Step 3.8 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	-18		
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.2572		
DigHwTrqSENT_CMCfiltSV_HwNm_M_f32	16.845		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-14		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.59985		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	2.2		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.16375		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	194.459		
k_T1T2CMCLPFFc_Hz_f32	9.4204		
k_T1T2SSLPFFc_Hz_f32	6.25		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	2		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	41		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	16.8449993	16.845 ± 0.000976	✔
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.997312129	0.997312145 ± 0.0000009	✔
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32	16.8449993	16.845 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.913156211	0.913156173 ± 0.0000009	✔
DigHwTrqSENT_SSdiagfiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.980297148	0.980297127 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x00	0x00	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	

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DigHwTrqSENT_Init1



Test Step 3.9 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-18
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.28835
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-18.72
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-20
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.631
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	-6.5
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.1949
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_HwTrqLPFFc_Hz_f32	3.518
k_T1T2CMCLPFFc_Hz_f32	0.61891
k_T1T2SSLPFFc_Hz_f32	2.822
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	0
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	48
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-18.7199993	-18.72 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.322179377	0.322179396 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-18.7199993	-18.72 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.043245554	0.043245539 ± 0.0000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.830196798	0.830196755 ± 0.0000009	✓
NTC	0x0C	0x0C	✓
Param	0x02	0x02	✓
Status	0x01	0x01	✓
NTC	0xFB	0xFB	✓
Param	0x01	0x01	✓
Status	0x01	0x01	✓

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.10 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	14
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.3195
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	12.49
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	20
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.66215
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	-12.1
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.22605
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_HwTrqLPFFc_Hz_f32	190.94
k_T1T2CMCLPFFc_Hz_f32	9.87
k_T1T2SSLPFFc_Hz_f32	0.9888
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	0
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	55
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	12.4899998	12.49 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.997973621	0.997973619 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	12.4899998	12.49 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.909229696	0.90922967 ± 0.0000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.462744415	0.462744423 ± 0.0000009	✓

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DigHwTrqSENT_Init1

Name	Actual Value	Expected Value	Result
NTC	0x0C	0x0C	✓
Param	0x02	0x02	✓
Status	0x01	0x01	✓
NTC	0xFB	0xFB	✓
Param	0x01	0x01	✓
Status	0x01	0x01	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.11 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	20		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.35065		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	9.487		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	9.21		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.6933		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	3		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.2572		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	204.436		
k_T1T2CMCLPFFc_Hz_f32	2.638		
k_T1T2SSLPFFc_Hz_f32	0.3404		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	1		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	62		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	9.48700047	9.487 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.809385896	0.809385894 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	9.48700047	9.487 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.923389316	0.923389301 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.192554414	0.192554427 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x00	0x00	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.12 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-20
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.3818
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-9.989
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.72445
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	5.2
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.28835
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS

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DigHwTrqSENT_Init1

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	177.968		
k_T1T2CMCLPFFc_Hz_f32	0.578		
k_T1T2SSLPFFc_Hz_f32	3.54		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	2		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	69		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-9.98900032	-9.989 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.304530501	0.304530492 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-9.98900032	-9.989 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.893158853	0.89315882 ± 0.0000009	✔
DigHwTrqSENT_SSDFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSDFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSDFiltKSV_M_str.K_Uls_f32	0.891851246	0.891851241 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x00	0x00	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSta	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	

Test Step 3.13 (Repeat Count = 1)				✓
Name		Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32		6		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32		0.41295		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32		18.63		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		-11.02		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.7556		
DigHwTrqSENT_SSFillKSV_M_str.SV_Uls_f32		-15		
DigHwTrqSENT_SSFillKSV_M_str.K_Uls_f32		0.3195		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)		tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT		tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32		11.38		
k_T1T2CMCLPFFc_Hz_f32		8.584		
k_T1T2SSLPFFc_Hz_f32		8.691		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value		0		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc		1		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		76		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum		tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim		tgt_Pim_DigTrqTrim		
Name		Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32		18.6299992	18.63 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32		0.995453894	0.995453903 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32		18.6299992	18.63 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.133250535	0.133250523 ± 0.0000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32		0	0 ± 0.000976	✓
DigHwTrqSENT_SSFillKSV_M_str.SV_Uls_f32		0	0 ± 0.000976	✓
DigHwTrqSENT_SSFillKSV_M_str.K_Uls_f32		0.995749474	0.99574949 ± 0.0000009	✓
NTC		0x0C	0x0C	✓
Param		0x02	0x02	✓
Status		0x01	0x01	✓
NTC		0xFB	0xFB	✓
Param		0x01	0x01	✓
Status		0x00	0x00	✓

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DigHwTrqSENT_Init1



T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.14 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	19
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.4441
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-0.86
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-12
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	-18.5
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.35065
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_HwTrqLPFFc_Hz_f32	103.922
k_T1T2CMCLPFFc_Hz_f32	0.403
k_T1T2SSLPFFc_Hz_f32	3.269
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	2
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	83
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-0.860000014	-0.86 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.223697007	0.223696998 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-0.860000014	-0.86 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.729077458	0.72907747 ± 0.0000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.871775627	0.871775581 ± 0.0000009	✓
NTC	0x0C	0x0C	✓
Param	0x02	0x02	✓
Status	0x01	0x01	✓
NTC	0xFB	0xFB	✓
Param	0x01	0x01	✓
Status	0x00	0x00	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.15 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-16
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.47525
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	9.684
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-8
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.998132557
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	6
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.3818
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_HwTrqLPFFc_Hz_f32	216.517
k_T1T2CMCLPFFc_Hz_f32	1.499
k_T1T2SSLPFFc_Hz_f32	2.588
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	0
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	90
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum

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DigHwTrqSENT_Init1

Name	Input Value		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	9.68400002	9.684 ± 0.000976	✔
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.610093951	0.610093954 ± 0.0000009	✔
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32	9.68400002	9.684 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.934180081	0.934180088 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.803302526	0.803302519 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x01	0x01	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	

Test Step 3.16 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	-5		
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.5064		
DigHwTrqSENT_CMCfiltSV_HwNm_M_f32	-3.723		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	10.21		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.56786		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	14.3		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.41295		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	198.41		
k_T1T2CMCLPFFc_Hz_f32	7.361		
k_T1T2SSLPFFc_Hz_f32	5.2852		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	1		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	97		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	-3.72300005	-3.723 ± 0.000976	✔
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.990196884	0.990196862 ± 0.0000009	✔
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32	-3.72300005	-3.723 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.91736269	0.917362656 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.963875711	0.963875685 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x00	0x00	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	

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Test Step 3.17 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	0
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.53755
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.488
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	16
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.78675
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	-20
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.4441
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_HwTrqLPFFc_Hz_f32	93.75
k_T1T2CMCLPFFc_Hz_f32	2.892
k_T1T2SSLPFFc_Hz_f32	2.8
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	0
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	104
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-10.4879999	-10.488 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.837503254	0.837503236 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10.4879999	-10.488 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.692136049	0.692136029 ± 0.0000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.827833295	0.827833266 ± 0.0000009	✓
NTC	0x0C	0x0C	✓
Param	0x02	0x02	✓
Status	0x01	0x01	✓
NTC	0xFB	0xFB	✓
Param	0x01	0x01	✓
Status	0x01	0x01	✓

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.18 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	16
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.5687
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	4.708
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	4
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.8179
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	20
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.47525
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_HwTrqLPFFc_Hz_f32	241.4
k_T1T2CMCLPFFc_Hz_f32	9.26
k_T1T2SSLPFFc_Hz_f32	3.74
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	2
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	111
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	4.70800018	4.708 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.997027159	0.997027136 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	4.70800018	4.708 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.951854229	0.951854224 ± 0.0000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.904622376	0.904622379 ± 0.0000009	✓

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DigHwTrqSENT_Init1

Name	Actual Value	Expected Value	Result
NTC	0x0C	0x0C	✓
Param	0x02	0x02	✓
Status	0x01	0x01	✓
NTC	0xFB	0xFB	✓
Param	0x01	0x01	✓
Status	0x01	0x01	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.19 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-14		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.59985		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	2.596		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-12.01		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.84905		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	15.12		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.5064		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	218.732		
k_T1T2CMCLPFFc_Hz_f32	2.311		
k_T1T2SSLPFFc_Hz_f32	0.494		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	0		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	118		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	2.59599996	2.596 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.765908718	0.765908713 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	2.59599996	2.596 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.935986936	0.93598689 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.266838551	0.266838559 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x01	0x01	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.20 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	13
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.631
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-1.06
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-10
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.8802
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.53755
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS

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DigHwTrqSENT_Init1

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	14.115		
k_T1T2CMCLPFFc_Hz_f32	2.488		
k_T1T2SSLPFFc_Hz_f32	5.306		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	1		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	125		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	-1.05999994	-1.06 ± 0.000976	✔
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.790547132	0.790547125 ± 0.0000009	✔
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32	-1.05999994	-1.06 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.16253376	0.162533756 ± 0.0000009	✔
DigHwTrqSENT_SSdiagfiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.96434474	0.964344723 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x00	0x00	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSta	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	

Test Step 3.21 (Repeat Count = 1)				✓
Name		Input Value		
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32		6		
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32		0.66215		
DigHwTrqSENT_CMCfiltSV_HwNm_M_f32		6.62		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		-17		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.91135		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32		-11.21		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32		0.5687		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error		tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT		tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32		238.33		
k_T1T2CMCLPFFc_Hz_f32		5.567		
k_T1T2SSLPFFc_Hz_f32		2.26		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value		1		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc		1		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		132		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum		tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim		tgt_Pim_DigTrqTrim		
Name		Actual Value	Expected Value	Result
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32		6.61999989	6.62 ± 0.000976	✓
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32		0.969737589	0.9697376 ± 0.0000009	✓
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32		6.61999989	6.62 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.94996053	0.949960526 ± 0.0000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32		0	0 ± 0.000976	✓
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32		0	0 ± 0.000976	✓
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32		0.758285999	0.758285954 ± 0.0000009	✓
NTC		0x0C	0x0C	✓
Param		0x02	0x02	✓
Status		0x01	0x01	✓
NTC		0xFB	0xFB	✓
Param		0x01	0x01	✓
Status		0x00	0x00	✓

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DigHwTrqSENT_Init1



T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.22 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-11
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.6933
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	11.4
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	15
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.9425
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	11
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_HwTrqLPFFc_Hz_f32	91.3686
k_T1T2CMCLPFFc_Hz_f32	6.816
k_T1T2SSLPFFc_Hz_f32	9.509
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	0
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	139
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	11.3999996	11.4 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.986193538	0.986193546 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	11.3999996	11.4 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.682783842	0.682783791 ± 0.0000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.997457683	0.997457687 ± 0.0000009	✓
NTC	0x0C	0x0C	✓
Param	0x02	0x02	✓
Status	0x01	0x01	✓
NTC	0xFB	0xFB	✓
Param	0x01	0x01	✓
Status	0x00	0x00	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.23 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-19
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.72445
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-17.328
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	10.01
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.91365
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	-5
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.998132557
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_HwTrqLPFFc_Hz_f32	131.741
k_T1T2CMCLPFFc_Hz_f32	6.674
k_T1T2SSLPFFc_Hz_f32	6.47
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	0
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	146
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum

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DigHwTrqSENT_Init1

Name	Input Value		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	-17.3279991	-17.328 ± 0.000976	✓
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.984905124	0.984905093 ± 0.0000009	✓
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32	-17.3279991	-17.328 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.809004664	0.809004657 ± 0.0000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.982840836	0.982840802 ± 0.0000009	✓
NTC	0x0C	0x0C	✓
Param	0x02	0x02	✓
Status	0x01	0x01	✓
NTC	0xFB	0xFB	✓
Param	0x01	0x01	✓
Status	0x00	0x00	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	

Test Step 3.24 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	17		
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.7556		
DigHwTrqSENT_CMCfiltSV_HwNm_M_f32	-13.553		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-12		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.118		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	-1		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.453769		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	192.545		
k_T1T2CMCLPFFc_Hz_f32	1.1023		
k_T1T2SSLPFFc_Hz_f32	8.3		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	1		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	153		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	-13.5530005	-13.553 ± 0.000976	✔
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.49972415	0.499724092 ± 0.0000009	✔
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32	-13.5530005	-13.553 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.911042094	0.91104208 ± 0.0000009	✔
DigHwTrqSENT_SSdiagfiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.994565785	0.994565805 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x00	0x00	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	

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DigHwTrqSENT_Init1



Test Step 3.25 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	0		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.78675		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-20		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-18		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.167		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	2.1		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.59985		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	13.429		
k_T1T2CMCLPFFc_Hz_f32	10		
k_T1T2SSLPFFc_Hz_f32	10		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	0		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	160		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-20	-20 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.998132586	0.998132557 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-20	-20 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.155283153	0.155283145 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.998132586	0.998132557 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x01	0x01	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.26 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	7		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.8179		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	20		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	15.01		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.216		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	7		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.631		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	148.707		
k_T1T2CMCLPFFc_Hz_f32	4.208		
k_T1T2SSLPFFc_Hz_f32	3.64		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	2		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	167		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	20	20 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.928921103	0.928921073 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	20	20 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.845677018	0.84567697 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.898437381	0.898437352 ± 0.0000009	✔

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Name	Actual Value	Expected Value	Result
NTC	0x0C	0x0C	✓
Param	0x02	0x02	✓
Status	0x01	0x01	✓
NTC	0xFB	0xFB	✓
Param	0x01	0x01	✓
Status	0x00	0x00	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.27 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-18		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.84905		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	17.02		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	11		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.265		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	-19		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.66215		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	117.643		
k_T1T2CMCLPFFc_Hz_f32	3.8208		
k_T1T2SSLPFFc_Hz_f32	5.97		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	2		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	174		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	17.0200005	17.02 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.909343719	0.909343663 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	17.0200005	17.02 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.771985412	0.771985382 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.976507187	0.976507208 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x00	0x00	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.28 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-20
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.8802
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	0
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	18
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.314
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	6.2
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.6933
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS

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Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	74.839		
k_T1T2CMCLPFFc_Hz_f32	0.4376		
k_T1T2SSLPFFc_Hz_f32	0.887		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	1		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	181		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.240391552	0.24039156 ± 0.0000009	✔
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.609549761	0.609549708 ± 0.0000009	✔
DigHwTrqSENT_SSdiagfiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.42725724	0.427257205 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x00	0x00	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSta	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	

Test Step 3.29 (Repeat Count = 1)				✓
Name		Input Value		
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32		19		
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32		0.91135		
DigHwTrqSENT_CMCfiltSV_HwNm_M_f32		-11.21		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		19		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.363		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32		16		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32		0.72445		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error		tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT		tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32		156.296		
k_T1T2CMCLPFFc_Hz_f32		9.7915		
k_T1T2SSLPFFc_Hz_f32		6.978		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value		0		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc		0		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		188		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum		tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim		tgt_Pim_DigTrqTrim		
Name		Actual Value	Expected Value	Result
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32		-11.21	-11.21 ± 0.000976	✓
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32		0.997871161	0.997871166 ± 0.0000009	✓
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32		-11.21	-11.21 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.85971427	0.859714193 ± 0.0000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32		0	0 ± 0.000976	✓
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32		0	0 ± 0.000976	✓
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32		0.987529695	0.987529716 ± 0.0000009	✓
NTC		0x0C	0x0C	✓
Param		0x02	0x02	✓
Status		0x01	0x01	✓
NTC		0xFB	0xFB	✓
Param		0x01	0x01	✓
Status		0x01	0x01	✓

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DigHwTrqSENT_Init1



T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.30 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-12
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.9425
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-5.7907
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-17
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.559
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	-7.12
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.7556
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_HwTrqLPFFc_Hz_f32	162.603
k_T1T2CMCLPFFc_Hz_f32	0
k_T1T2SSLPFFc_Hz_f32	4.5104
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	1
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	195
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-5.79069996	-5.7907 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0	0 ± 0.000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-5.79069996	-5.7907 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.870403528	0.870403508 ± 0.0000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.94122082	0.94122084 ± 0.0000009	✓
NTC	0x0C	0x0C	✓
Param	0x02	0x02	✓
Status	0x01	0x01	✓
NTC	0xFB	0xFB	✓
Param	0x01	0x01	✓
Status	0x00	0x00	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.31 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	16
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.97365
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	16.508
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	18.2
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.608
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	-16
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.78675
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_HwTrqLPFFc_Hz_f32	66.212
k_T1T2CMCLPFFc_Hz_f32	10
k_T1T2SSLPFFc_Hz_f32	10
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	2
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	202
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum

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DigHwTrqSENT_Init1

Name	Input Value		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	16.5079994	16.508 ± 0.000976	✓
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.998132586	0.998132557 ± 0.0000009	✓
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32	16.5079994	16.508 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.56484133	0.564841319 ± 0.0000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.998132586	0.998132557 ± 0.0000009	✓
NTC	0x0C	0x0C	✓
Param	0x02	0x02	✓
Status	0x01	0x01	✓
NTC	0xFB	0xFB	✓
Param	0x01	0x01	✓
Status	0x00	0x00	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	

Test Step 3.32 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	-2		
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.118		
DigHwTrqSENT_CMCfiltSV_HwNm_M_f32	-0.2932		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-13		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.657		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	-3.25		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.8179		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	70.1148		
k_T1T2CMCLPFFc_Hz_f32	9.99		
k_T1T2SSLPFFc_Hz_f32	1.26		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	1		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	209		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	-0.293199986	-0.2932 ± 0.000976	✔
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.998120785	0.998120787 ± 0.0000009	✔
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32	-0.293199986	-0.2932 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.585668385	0.58566836 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.546917677	0.546917635 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x00	0x00	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	

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DigHwTrqSENT_Init1

Test Step 3.33 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-20		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.167		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.489		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-4.2		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.6933		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	11		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.84905		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	208.2802		
k_T1T2CMCLPFFc_Hz_f32	2.76		
k_T1T2SSLPFFc_Hz_f32	10		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	1		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	216		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-10.4890003	-10.489 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.823451459	0.82345141 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10.4890003	-10.489 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.927002192	0.927002215 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.998132586	0.998132557 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x00	0x00	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.34 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	20		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.216		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	14.84		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	6		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.72445		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-6		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.8802		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	206.975		
k_T1T2CMCLPFFc_Hz_f32	6.094		
k_T1T2SSLPFFc_Hz_f32	6.822		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	0		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	223		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	14.8400002	14.84 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.978268087	0.97826808 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	14.8400002	14.84 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.925795078	0.92579506 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.986245513	0.986245497 ± 0.0000009	✔

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DigHwTrqSENT_Init1

Name	Actual Value	Expected Value	Result
NTC	0x0C	0x0C	✓
Param	0x02	0x02	✓
Status	0x01	0x01	✓
NTC	0xFB	0xFB	✓
Param	0x01	0x01	✓
Status	0x00	0x00	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.35 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	11.02		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.265		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-17.189		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-6		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.7556		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	-4.2		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.91135		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	147.879		
k_T1T2CMCLPFFc_Hz_f32	0.48		
k_T1T2SSLPFFc_Hz_f32	3.824		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	2		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	230		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-17.1889992	-17.189 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.260360897	0.260360885 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-17.1889992	-17.189 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.844062924	0.844062863 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.909525752	0.909525756 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x01	0x01	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.36 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	0
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.314
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-14.541
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-11
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.78675
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	10
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.9425
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS

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DigHwTrqSENT_Init1

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	247.509		
k_T1T2CMCLPFFc_Hz_f32	8.95		
k_T1T2SSLPFFc_Hz_f32	1.641		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	0		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	237		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-14.5410004	-14.541 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.996387839	0.996387845 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-14.5410004	-14.541 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.955411971	0.955411969 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.643375158	0.643375085 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x01	0x01	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSta	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	

Test Step 3.37 (Repeat Count = 1)				✓
Name		Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32		-4.21		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32		0.363		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32		19.53		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		-6		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.8179		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32		-3.1		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32		0.97365		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)		tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT		tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32		228.65		
k_T1T2CMCLPFFc_Hz_f32		5.1694		
k_T1T2SSLPFFc_Hz_f32		5.279		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value		1		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc		1		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		244		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum		tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim		tgt_Pim_DigTrqTrim		
Name		Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32		19.5300007	19.53 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32		0.961149335	0.961149324 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32		19.5300007	19.53 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.943487942	0.943487908 ± 0.0000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32		0	0 ± 0.000976	✓
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32		0	0 ± 0.000976	✓
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32		0.963734686	0.963734686 ± 0.0000009	✓
NTC		0x0C	0x0C	✓
Param		0x02	0x02	✓
Status		0x01	0x01	✓
NTC		0xFB	0xFB	✓
Param		0x01	0x01	✓
Status		0x00	0x00	✓

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DigHwTrqSENT_Init1



T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.38 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-6		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	14.19		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	8		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.84905		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	9		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.118		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	56.9433		
k_T1T2CMCLPFFc_Hz_f32	6.002		
k_T1T2SSLPFFc_Hz_f32	2.4		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	2		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	251		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	14.1899996	14.19 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.976974845	0.976974842 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	14.1899996	14.19 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.511086941	0.511086947 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.778639913	0.778639896 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x00	0x00	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.39 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	15
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.998132557
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	13.76
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	2.1
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.8802
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.167
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_HwTrqLPFFc_Hz_f32	174.4739
k_T1T2CMCLPFFc_Hz_f32	4.1427
k_T1T2SSLPFFc_Hz_f32	10
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	1
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	195
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum

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Name	Input Value		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	13.7600002	13.76 ± 0.000976	✔
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.925944149	0.925944108 ± 0.0000009	✔
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32	13.7600002	13.76 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.888363123	0.888363106 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.998132586	0.998132557 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x00	0x00	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	

Test Step 3.40 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	15		
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.36574		
DigHwTrqSENT_CMCfiltSV_HwNm_M_f32	20		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-3.2		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.91135		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	-13		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.216		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	245.98		
k_T1T2CMCLPFFc_Hz_f32	1.6177		
k_T1T2SSLPFFc_Hz_f32	1.434		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	2		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	202		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	20	20 ± 0.000976	✔
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.638115764	0.638115756 ± 0.0000009	✔
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32	20	20 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.954546988	0.954546972 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.593840241	0.59384027 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x00	0x00	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	

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Test Step 3.41 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-3		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.559		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.19		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-12		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.9425		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-9		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.265		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	61.22		
k_T1T2CMCLPFFc_Hz_f32	8.064		
k_T1T2SSLPFFc_Hz_f32	0.317		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	0		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	209		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-10.1899996	-10.19 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.993697226	0.993697196 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10.1899996	-10.19 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.536668897	0.536668829 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.18059516	0.180595133 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x01	0x01	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.42 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	4		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.608		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	7.174		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-18		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.91365		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-17.12		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.314		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error)	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	134.002143		
k_T1T2CMCLPFFc_Hz_f32	2.4234		
k_T1T2SSLPFFc_Hz_f32	3.79		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	2		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	216		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	7.17399979	7.174 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.781870663	0.781870668 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	7.17399979	7.174 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.814355314	0.81435529 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.90757221	0.907572177 ± 0.0000009	✔

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DigHwTrqSENT_Init1

Name	Actual Value	Expected Value	Result
NTC	0x0C	0x0C	✓
Param	0x02	0x02	✓
Status	0x01	0x01	✓
NTC	0xFB	0xFB	✓
Param	0x01	0x01	✓
Status	0x00	0x00	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.43 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-13		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.657		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	5.67		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	2		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.657		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	20		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.363		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	26.6987		
k_T1T2CMCLPFFc_Hz_f32	2.31		
k_T1T2SSLPFFc_Hz_f32	6.024		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	1		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	223		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	5.67000008	5.67 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.765761614	0.765761583 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	5.67000008	5.67 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.28502363	0.285023611 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.977290928	0.977290929 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x00	0x00	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.44 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-3
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.559
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.19
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-19
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.9425
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	-9.02
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.265
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS

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DigHwTrqSENT_Init1

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	61.22		
k_T1T2CMCLPFFc_Hz_f32	8.064		
k_T1T2SSLPFFc_Hz_f32	0.317		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	0		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	-10.1899996	-10.19 ± 0.000976	✔
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.993697226	0.993697196 ± 0.0000009	✔
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32	-10.1899996	-10.19 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.536668897	0.536668829 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.18059516	0.180595133 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x00	0x00	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x01	0x01	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSta	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	

Test Step 3.45 (Repeat Count = 1)				✓
Name		Input Value		
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32		4		
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32		0.608		
DigHwTrqSENT_CMCfiltSV_HwNm_M_f32		7.174		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		8		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.91365		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32		-17		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32		0.314		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error		tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT		tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32		134.002143		
k_T1T2CMCLPFFc_Hz_f32		2.4234		
k_T1T2SSLPFFc_Hz_f32		3.79		
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value		1		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc		1		
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		255		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum		tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim		tgt_Pim_DigTrqTrim		
Name		Actual Value	Expected Value	Result
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32		7.17399979	7.174 ± 0.000976	✓
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32		0.781870663	0.781870668 ± 0.0000009	✓
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32		7.17399979	7.174 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.814355314	0.81435529 ± 0.0000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32		0	0 ± 0.000976	✓
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32		0	0 ± 0.000976	✓
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32		0.90757221	0.907572177 ± 0.0000009	✓
NTC		0x0C	0x0C	✓
Param		0x02	0x02	✓
Status		0x01	0x01	✓
NTC		0xFB	0xFB	✓
Param		0x01	0x01	✓
Status		0x00	0x00	✓

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DigHwTrqSENT_Init1



T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.46 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-13
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.657
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	5.67
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	13
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.657
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	20
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.363
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_HwTrqLPFFc_Hz_f32	26.6987
k_T1T2CMCLPFFc_Hz_f32	2.31
k_T1T2SSLPFFc_Hz_f32	6.024
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	2
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	125
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	5.67000008	5.67 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.765761614	0.765761583 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	5.67000008	5.67 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.28502363	0.285023611 ± 0.0000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.977290928	0.977290929 ± 0.0000009	✓
NTC	0x0C	0x0C	✓
Param	0x02	0x02	✓
Status	0x01	0x01	✓
NTC	0xFB	0xFB	✓
Param	0x01	0x01	✓
Status	0x00	0x00	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

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DigHwTrqSENT_SCom_TrimData



Project	CBD_DigHwTrqSENT
Module	DigHwTrqSENT
Test Object	DigHwTrqSENT_SCom_TrimData

Instrumentation: Test Object and Called Functions

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\CBD_DigHwTrqSENT
Configuration File	D:\Synergy_Work_Area\CBD_DigHwTrqSENT\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)\DigHwTrqSENT\src\Sa_DigHwTrqSENT.c
Compiler Options	-D_DATA_ACCESS=-Dconst=-DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_OFF -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include \TMS570_HerculesRegs -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS=-Dconst=-DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_OFF -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include \TMS570_HerculesRegs -I\$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
Module 'DigHwTrqSENT'	*****UNIT TEST DESCRIPTION***** Name of Tester:Ankita Bhardwaj Code File(s) Under Test:Sa_DigHwTrqSENT.c Code File(s) Version:8 Module Design Document:DigHwTrqSENT_MDD.docx Module Design Document Version:11 Data Dictionary Version:8 Unit Test Plan Version:5 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS570_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.30 Total FLASH Used (Bytes):1638 Total RAM Used (Bytes):84 Total CALS Used (Bytes):108 Special Test Requirements: Test Date:8/22/2014 Comments:"NOTE1: Inline functions declared in GlobalMacro.h are not Unit Tested. NOTE2:""CBD_Sandbox_dbg.map"" map file is embedded for reference. NOTE3: Low MC/DC coverage in function ""DigHwTrqSENT_SCom_ClrTrqTrim"" as the path ""if D_TRIMNOTPERFORMED_CNT_LGC == Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc "" at line number 1210 of source code cannot be made FALSE which has been called in function ""TrimNotPerfDiag"" as ""Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc "" gets updated with const ""D_TRIMNOTPERFORMED_CNT_LGC""having value FALSE always." *****

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

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DigHwTrqSENT_SCom_TrimData



Attributes	
Name	Value
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 3.2
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\CBD_DigHwTrqSENT\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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DigHwTrqSENT_SCom_TrimData



Test Case 1: Boundary Test

Specification

Performance Metrics:
(With "None" instrumentation and WithPS Environment)

CPU Cycles:

TS1.1 243.00 Cycles
TS1.2 243.00 Cycles
TS1.3 243.00 Cycles
TS1.4 243.00 Cycles
TS1.5 243.00 Cycles
TS1.6 243.00 Cycles
TS1.7 243.00 Cycles
TS1.8 243.00 Cycles
TS1.9 243.00 Cycles

Description

Vector Description:

TS1.1 All Min
TS1.2 All Max
TS1.3 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32=Min
TS1.4 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32=Max
TS1.5 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32=Zero
TS1.6 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32=Pos
TS1.7 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32=Neg
TS1.8 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc=True
TS1.9 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc=False

Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
EOLHwTrqTrimPerformed_Cnt_Lgc	tgt_EOLHwTrqTrimPerformed_Cnt_Lgc		
EOLHwTrqTrim_HwNm_f32	tgt_EOLHwTrqTrim_HwNm_f32		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-10		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
tgt_EOLHwTrqTrimPerformed_Cnt_Lgc	0	0	✔
tgt_EOLHwTrqTrim_HwNm_f32	-10	-10 ± 0.00048828125	✔

Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
EOLHwTrqTrimPerformed_Cnt_Lgc	tgt_EOLHwTrqTrimPerformed_Cnt_Lgc		
EOLHwTrqTrim_HwNm_f32	tgt_EOLHwTrqTrim_HwNm_f32		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	10		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
tgt_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓
tgt_EOLHwTrqTrim_HwNm_f32	10	10 ± 0.00048828125	✓

Test Step 1.3 (Repeat Count = 1)

Name	Input Value		
EOLHwTrqTrimPerformed_Cnt_Lgc	tgt_EOLHwTrqTrimPerformed_Cnt_Lgc		
EOLHwTrqTrim_HwNm_f32	tgt_EOLHwTrqTrim_HwNm_f32		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-10		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
tgt_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓
tgt_EOLHwTrqTrim_HwNm_f32	-10	-10 ± 0.00048828125	✓

Test Step 1.4 (Repeat Count = 1)

Name	Input Value
EOLHwTrqTrimPerformed_Cnt_Lgc	tgt_EOLHwTrqTrimPerformed_Cnt_Lgc
EOLHwTrqTrim_HwNm_f32	tgt_EOLHwTrqTrim_HwNm_f32
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	10

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DigHwTrqSENT_SCom_TrimData

Name	Input Value		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
tgt_EOLHwTrqTrimPerformed_Cnt_Lgc	0	0	✓
tgt_EOLHwTrqTrim_HwNm_f32	10	10 ± 0.00048828125	✓

Test Step 1.5 (Repeat Count = 1)

Name	Input Value		
EOLHwTrqTrimPerformed_Cnt_Lgc	tgt_EOLHwTrqTrimPerformed_Cnt_Lgc		
EOLHwTrqTrim_HwNm_f32	tgt_EOLHwTrqTrim_HwNm_f32		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	0		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
tgt_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓
tgt_EOLHwTrqTrim_HwNm_f32	0	0 ± 0.00048828125	✓

Test Step 1.6 (Repeat Count = 1)

Name	Input Value		
EOLHwTrqTrimPerformed_Cnt_Lgc	tgt_EOLHwTrqTrimPerformed_Cnt_Lgc		
EOLHwTrqTrim_HwNm_f32	tgt_EOLHwTrqTrim_HwNm_f32		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	4.621		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
tgt_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓
tgt_EOLHwTrqTrim_HwNm_f32	4.62099981	4.621 ± 0.00048828125	✓

Test Step 1.7 (Repeat Count = 1)

Name	Input Value		
EOLHwTrqTrimPerformed_Cnt_Lgc	tgt_EOLHwTrqTrimPerformed_Cnt_Lgc		
EOLHwTrqTrim_HwNm_f32	tgt_EOLHwTrqTrim_HwNm_f32		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-8.94		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
tgt_EOLHwTrqTrimPerformed_Cnt_Lgc	0	0	✓
tgt_EOLHwTrqTrim_HwNm_f32	-8.93999958	-8.94 ± 0.00048828125	✓

Test Step 1.8 (Repeat Count = 1)

Name	Input Value		
EOLHwTrqTrimPerformed_Cnt_Lgc	tgt_EOLHwTrqTrimPerformed_Cnt_Lgc		
EOLHwTrqTrim_HwNm_f32	tgt_EOLHwTrqTrim_HwNm_f32		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	5.2		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
tgt_EOLHwTrqTrimPerformed_Cnt_Lgc	0	0	✓
tgt_EOLHwTrqTrim_HwNm_f32	5.19999981	5.2 ± 0.00048828125	✓

Test Step 1.9 (Repeat Count = 1)

Name	Input Value
EOLHwTrqTrimPerformed_Cnt_Lgc	tgt_EOLHwTrqTrimPerformed_Cnt_Lgc
EOLHwTrqTrim_HwNm_f32	tgt_EOLHwTrqTrim_HwNm_f32
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	0.87

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DigHwTrqSENT_SCom_TrimData

Name		Input Value		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc		1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim		tgt_Pim_DigTrqTrim		
Name		Actual Value	Expected Value	Result
tgt_EOLHwTrqTrimPerformed_Cnt_Lgc		1	1	✓
tgt_EOLHwTrqTrim_HwNm_f32		0.870000005	0.87 ± 0.00048828125	✓

TEST DETAILS REPORT

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DigHwTrqSENT_SCom_WriteData



Project	CBD_DigHwTrqSENT
Module	DigHwTrqSENT
Test Object	DigHwTrqSENT_SCom_WriteData

Instrumentation: Test Object and Called Functions

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\CBD_DigHwTrqSENT
Configuration File	D:\Synergy_Work_Area\CBD_DigHwTrqSENT\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)\DigHwTrqSENT\src\Sa_DigHwTrqSENT.c
Compiler Options	-D_DATA_ACCESS=-Dconst=-DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_OFF -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include\TMS570_HerculesRegs -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS=-Dconst=-DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_OFF -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include\TMS570_HerculesRegs -I\$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
Module 'DigHwTrqSENT'	*****UNIT TEST DESCRIPTION***** Name of Tester:Ankita Bhardwaj Code File(s) Under Test:Sa_DigHwTrqSENT.c Code File(s) Version:8 Module Design Document:DigHwTrqSENT_MDD.docx Module Design Document Version:11 Data Dictionary Version:8 Unit Test Plan Version:5 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS570_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.30 Total FLASH Used (Bytes):1638 Total RAM Used (Bytes):84 Total CALS Used (Bytes):108 Special Test Requirements: Test Date:8/22/2014 Comments:"NOTE1: Inline functions declared in GlobalMacro.h are not Unit Tested. NOTE2:""CBD_Sandbox_dbg.map"" map file is embedded for reference. NOTE3: Low MC/DC coverage in function ""DigHwTrqSENT_SCom_ClrTrqTrim"" as the path ""if D_TRIMNOTPERFORMED_CNT_LGC == Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc "" at line number 1210 of source code cannot be made FALSE which has been called in function ""TrimNotPerfDiag"" as ""Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc "" gets updated with const ""D_TRIMNOTPERFORMED_CNT_LGC""having value FALSE always." *****

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

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DigHwTrqSENT_SCom_WriteData



Attributes	
Name	Value
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 3.2
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\CBD_DigHwTrqSENT\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

TEST DETAILS REPORT

DigHwTrqSENT_SCom_WriteData

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Test Case 1: Boundary Test

Specification Performance Metrics:
(With "None" instrumentation and WithPS Environment)

TC 1.1 188.00 Cycles
TC 1.2 186.00 Cycles
TC 1.3 186.00 Cycles
TC 1.4 186.00 Cycles
TC 1.5 186.00 Cycles

Description Vector Description:

TC1.1HwTrqTrim_HwNm_f32==>Min
TC1.2HwTrqTrim_HwNm_f32==>Max
TC1.3HwTrqTrim_HwNm_f32==>zero
TC1.4HwTrqTrim_HwNm_f32==>Pos
TC1.5HwTrqTrim_HwNm_f32==>Neg

Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
HwTrqTrim_HwNm_f32	-10		
Rte_Inst_Sa_DigHwTrqSENT	target_Rte_Inst_Sa_DigHwTrqSENT		
target_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	target_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
target_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-10	-10 ± 0.00048828125	✓
target_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
HwTrqTrim_HwNm_f32	10		
Rte_Inst_Sa_DigHwTrqSENT	target_Rte_Inst_Sa_DigHwTrqSENT		
target_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	target_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
target_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	10	10 ± 0.00048828125	✓
target_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓

Test Step 1.3 (Repeat Count = 1)

Name	Input Value		
HwTrqTrim_HwNm_f32	0		
Rte_Inst_Sa_DigHwTrqSENT	target_Rte_Inst_Sa_DigHwTrqSENT		
target_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	target_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
target_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	0	0 ± 0.00048828125	✓
target_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓

Test Step 1.4 (Repeat Count = 1)

Name		Input Value	
HwTrqTrim_HwNm_f32		5.44999981	
Rte_Inst_Sa_DigHwTrqSENT		target_Rte_Inst_Sa_DigHwTrqSENT	
target_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim		target_Pim_DigTrqTrim	
Name	Actual Value	Expected Value	Result
target_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	5.44999981	5.44999981 ± 0.00048828125	✓

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DigHwTrqSENT_SCom_WriteData

Name	Actual Value	Expected Value	Result
target_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓

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

Test Step 1.5 (Repeat Count = 1)					✓
Name	Input Value				
HwTrqTrim_HwNm_f32	-6.32000017				
Rte_Inst_Sa_DigHwTrqSENT	target_Rte_Inst_Sa_DigHwTrqSENT				
target_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	target_Pim_DigTrqTrim				
Name	Actual Value	Expected Value	Result		
target_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-6.32000017	-6.32000017 ± 0.00048828125	✓		
target_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓		

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

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DigHwTrqSENT_SCom_SetTrqTrim



Project	CBD_DigHwTrqSENT
Module	DigHwTrqSENT
Test Object	DigHwTrqSENT_SCom_SetTrqTrim

Instrumentation: Test Object and Called Functions

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\CBD_DigHwTrqSENT
Configuration File	D:\Synergy_Work_Area\CBD_DigHwTrqSENT\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)\DigHwTrqSENT\src\Sa_DigHwTrqSENT.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_OFF -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\TMS570_HerculesRegs -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_OFF -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\TMS570_HerculesRegs -I\$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
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TEST DETAILS REPORT

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DigHwTrqSENT_SCom_SetTrqTrim

Module 'DigHwTrqSENT'

*****UNIT TEST DESCRIPTION*****

Name of Tester: Ankita Bhardwaj
Code File(s) Under Test: Sa_DigHwTrqSENT.c
Code File(s) Version: 8
Module Design Document: DigHwTrqSENT_MDD.docx
Module Design Document Version: 11
Data Dictionary Version: 8
Unit Test Plan Version: 5
Optimization Level: Level 2
Compiler (CodeGen) Version: TMS570_4.9.5
Model Type: Excel Macro
Model Version: Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.30
Total FLASH Used (Bytes): 1638
Total RAM Used (Bytes): 84
Total CALS Used (Bytes): 108
Special Test Requirements:
Test Date: 8/22/2014
Comments: "NOTE1: Inline functions declared in GlobalMacro.h are not Unit Tested."

NOTE2: "CBD_Sandbox_dbg.map" map file is embedded for reference.

NOTE3: Low MC/DC coverage in function ""DigHwTrqSENT_SCom_ClrTrqTrim"" as the path ""if(D_TRIMNOTPERFORMED_CNT_LGC == Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc)"" at line number 1210 of source code cannot be made FALSE which has been called in function ""TrimNotPerfDiag"" as ""Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc"" gets updated with const ""D_TRIMNOTPERFORMED_CNT_LGC"" having value FALSE always."

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 3.2
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\CBD_DigHwTrqSENT\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

TEST DETAILS REPORT

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DigHwTrqSENT_SCom_SetTrqTrim



Test Case 1: Metrics Test

Specification	Performance Metrics: (With "None" instrumentation and WithPS Environment) CPU Cycles: TS1.1 2248.00 Cycles TS1.2 2508.00 Cycles
Description	Vector Description: TS1.1 "Shortest Execution Path: if(k_MaxHwTrqTrim_HwNm_f32 < Abs_f32_m(HwTrqTrim_HwNm_T_f32))=> TRUE" TS1.2 "Longest Execution Path: if(k_MaxHwTrqTrim_HwNm_f32 < Abs_f32_m(HwTrqTrim_HwNm_T_f32))=> FALSE"

Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	5.42700005		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	6.46999979		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	2		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	-8.11200047		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	6.8895998		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	34	34	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	6.46999979	6.46999979 ± 0.00048828125	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0	0	✔

T	Actual Function	Count	Expected Function	Count	Result
	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	✓
	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	✓
	TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	0		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	10		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	0		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	-10		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	-10		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	0	0	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	0	0 ± 0.00048828125	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓

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T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Read_Sa_DigHwTrqSENT_MECCCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCCounter_Cnt_enum	1		✓
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1		✓
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1		✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1		✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1		✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1		✓

Test Case 2: Boundary Test

Specification	Performance Metrics: (With "None" instrumentation and WithPS Environment)
	CPU Cycles: TS2.1 2509.00 Cycles TS2.2 2510.00 Cycles TS2.3 2510.00 Cycles TS2.4 2510.00 Cycles TS2.5 2510.00 Cycles TS2.6 2510.00 Cycles TS2.7 2510.00 Cycles TS2.8 2510.00 Cycles TS2.9 2510.00 Cycles TS2.10 2250.00 Cycles TS2.11 2508.00 Cycles TS2.12 2510.00 Cycles TS2.13 2250.00 Cycles TS2.14 2508.00 Cycles TS2.15 2510.00 Cycles TS2.16 2247.00 Cycles TS2.17 2510.00 Cycles TS2.18 2510.00 Cycles
Description	Vector Description: TC2.1All Min TC2.2All Max TC2.3MECCCounter_Cnt_enum = ProductionMode TC2.4MECCCounter_Cnt_enum = EngineeringMode TC2.5MECCCounter_Cnt_enum = ManufacturingMode TC2.6T1_HwNm_f32 = Min TC2.7T1_HwNm_f32 = Max TC2.8T1_HwNm_f32 = Zero TC2.9T1_HwNm_f32 = Pos TC2.10T1_HwNm_f32 = Neg TC2.11T2_HwNm_f32 = Min TC2.12T2_HwNm_f32 = Max TC2.13T2_HwNm_f32 = Zero TC2.14T2_HwNm_f32 = Pos TC2.15T2_HwNm_f32 = Neg TC2.16k_MaxHwTrqTrim_HwNm_f32 = Min TC2.17K_MaxHwTrqTrim_HwNm_f32 = Max TC2.18k_MaxHwTrqTrim_HwNm_f32 = Pos

Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	0		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-10		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCCounter_Cnt_enum_data	0		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	-10		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	-10		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	0	0	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	0	0 ± 0.00048828125	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓

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T				
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	✓
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.2 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	20		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	10		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	2		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	10		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	10		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	0	0	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	0	0 ± 0.00048828125	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	✓
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.3 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	20		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	6.69999981		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	0		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	-0.677999973		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	6.46999979		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	0	0	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-3.57399988	-3.57399988 ± 0.00048828125	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓

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T				
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	✓
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.4 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	19.5939999		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	4.62099981		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	2		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	-4.26800013		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	-8.94400024		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	0	0	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	2.33800006	2.33800006 ± 0.00048828125	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	✓
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.5 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	20		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-8.93999958		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	1		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	8.32299995		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	0.878000021		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	0	0	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	3.72249985	3.72250009 ± 0.00048828125	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✔

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T				
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	✓
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.6 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	17.6310005		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	0.878000021		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	0		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	-10		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	5.89699984		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	0	0	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-7.94849968	-7.94850016 ± 0.00048828125	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	✓
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.7 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	8.59000015		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	5.88999987		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	0		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	10		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	6.81406021		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	0	0	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	1.59296989	1.59297001 ± 0.00048828125	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓

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T				
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	✓
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.8 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	16.8999996		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	6.81400013		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	2		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	0		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	-3.17000008		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	0	0	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	1.58500004	1.58500004 ± 0.00048828125	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	✓
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.9 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	20		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-3.17000008		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	0		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	4.61000013		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	10		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	0	0	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-2.69499993	-2.69499993 ± 0.00048828125	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓

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T				
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	✓
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.10 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	5.42700005		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	6.46999979		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	2		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	-8.11200047		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	6.8895998		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	34	34	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	6.46999979	6.46999979 ± 0.00048828125	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	✓
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.11 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	3.66400003		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-8.94400024		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	2		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	-9.35000038		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	-10		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	0	0	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	0.324999809	0.324999809 ± 0.00048828125	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓

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T				
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	✓
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.12 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	14.5		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	0.870000005		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	2		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	-3.22199988		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	10		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	0	0	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-6.61100006	-6.61100006 ± 0.00048828125	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	✓
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.13 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	0.356900007		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	5.89699984		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	0		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	6.59200001		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	0		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	34	34	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	5.89699984	5.89699984 ± 0.00048828125	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0	0	✔

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DigHwTrqSENT_SCom_SetTrqTrim



T				
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	✓
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.14 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	7.12606001		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	6.80999994		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	1		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	-3.75		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	4.61000013		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	0	0	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-4.18000031	-4.17999983 ± 0.00048828125	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	✓
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.15 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	14.5498896		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-3.0999999		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	2		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	-5.05000019		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	-8.11200047		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	0	0	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	1.53100014	1.53100002 ± 0.00048828125	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓

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DigHwTrqSENT_SCom_SetTrqTrim



T				
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	✓
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.16 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	0		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	5.88999987		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	2		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	0.0899000019		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	10		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	34	34	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	5.88999987	5.88999987 ± 0.00048828125	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	✓
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.17 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	20		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	6.80999994		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	1		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	-4.65299988		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	6.74300003		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	0	0	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-5.69799995	-5.69799995 ± 0.00048828125	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓

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T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1		✓
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1		✓
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1		✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1		✓

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DigHwTrqSENT_SCom_SetTrqTrim

Name	Input Value		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	6.8895998		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	34	34	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	6.46999979	6.46999979 ± 0.00048828125	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	✓
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.2 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	20		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-8.93999958		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	1		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	8.32299995		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	0.878000021		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	0	0	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	3.72249985	3.72250009 ± 0.00048828125	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	✓
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	✓
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 3.3 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data		
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data		
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data		
k_MaxHwTrqTrim_HwNm_f32	5.42700005		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	6.46999979		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	1		
tgt_Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32_data	-8.11200047		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	6.8895998		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SCom_SetTrqTrim()	34	34	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	6.46999979	6.46999979 ± 0.00048828125	✔

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Name	Actual Value	Expected Value	Result
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0	0	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum	1	✓	
Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T1_HwNm_f32	1	✓	
Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32	1	✓	
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓	

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DigHwTrqSENT_Per3



Project	CBD_DigHwTrqSENT
Module	DigHwTrqSENT
Test Object	DigHwTrqSENT_Per3

Instrumentation: Test Object and Called Functions

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\CBD_DigHwTrqSENT
Configuration File	D:\Synergy_Work_Area\CBD_DigHwTrqSENT\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)\DigHwTrqSENT\src\Sa_DigHwTrqSENT.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_OFF -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include \TMS570_HerculesRegs -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_OFF -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include \TMS570_HerculesRegs -I\$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
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DigHwTrqSENT_Per3

Module 'DigHwTrqSENT'

*****UNIT TEST DESCRIPTION*****

Name of Tester: Ankita Bhardwaj
Code File(s) Under Test: Sa_DigHwTrqSENT.c
Code File(s) Version: 8
Module Design Document: DigHwTrqSENT_MDD.docx
Module Design Document Version: 11
Data Dictionary Version: 8
Unit Test Plan Version: 5
Optimization Level: Level 2
Compiler (CodeGen) Version: TMS570_4.9.5
Model Type: Excel Macro
Model Version: Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.30
Total FLASH Used (Bytes): 1638
Total RAM Used (Bytes): 84
Total CALS Used (Bytes): 108
Special Test Requirements:
Test Date: 8/22/2014
Comments: "NOTE1: Inline functions declared in GlobalMacro.h are not Unit Tested.

NOTE2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference.

NOTE3: Low MC/DC coverage in function ""DigHwTrqSENT_SCom_ClrTrqTrim"" as the path ""if(D_TRIMNOTPERFORMED_CNT_LGC == Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc)"" at line number 1210 of source code cannot be made FALSE which has been called in function ""TrimNotPerfDiag"" as ""Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc"" gets updated with const ""D_TRIMNOTPERFORMED_CNT_LGC"" having value FALSE always."

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 3.2
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\CBD_DigHwTrqSENT\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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DigHwTrqSENT_Per3



Test Case 1: Metrics Test

Specification	Performance Metrics: (With "None" instrumentation and WithPS Environment) CPU Cycles: TS1.1 2200.00 Cycles TS1.2 2903.00 Cycles
Description	Vector Description: TS1.1Shortest Execution Path: DigHwTrqSENT_SSFilltKSV_M_str.SV_Uls_f32 = Limit_m(DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32, -D_SSFLTSLVMT_HWNM_F32, -D_SSFLTSLVMT_HWNM_F32)=TRUE if (AbsHwTrq_HwNm_T_f32 <= k_T1T2CMCLPFEnable_HwNm_f32)=FALSE TS1.2Longest Execution Path=>DigHwTrqSENT_SSFilltKSV_M_str.SV_Uls_f32 = Limit_m(DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32, -D_SSFLTSLVMT_HWNM_F32, D_SSFLTSLVMT_HWNM_F32)=FALSE if (AbsHwTrq_HwNm_T_f32 <= k_T1T2CMCLPFEnable_HwNm_f32)=TRUE

Test Step 1.1 (Repeat Count = 1)

Name	Input Value			
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	7			
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.1326			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	20			
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-13.79			
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.0946			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	20			
DigHwTrqSENT_SSFilltKSV_M_str.SV_Uls_f32	-18			
DigHwTrqSENT_SSFilltKSV_M_str.K_Uls_f32	0.1487			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-8.8091			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-13.71			
k_T1T2CMCLPFEnable_HwNm_f32	4			
k_T1T2SSLim_HwNm_f32	4.5			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	7	7 ± 0.000976	✓	
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	20	20 ± 0.000976	✓	
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-13.79	-13.79 ± 0.000976	✓	
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	2.52426219	2.52426221 ± 0.000976	✓	
DigHwTrqSENT_SSFilltKSV_M_str.SV_Uls_f32	2.52426219	2.52426221 ± 0.000976	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value			
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	20			
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.16375			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	3.7407			
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-7.049			
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.815			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	1			
DigHwTrqSENT_SSFilltKSV_M_str.SV_Uls_f32	1			
DigHwTrqSENT_SSFilltKSV_M_str.K_Uls_f32	0.1877			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	15.7744			
DigHwTrqSENT_TrqSum_HwNm_M_f32	12.523			
k_T1T2CMCLPFEnable_HwNm_f32	20			
k_T1T2SSLim_HwNm_f32	5			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	18.7756405	18.77564125 ± 0.000976	✓	
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	18.7756405	18.77564125 ± 0.000976	✓	
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	18.7756405	18.77564125 ± 0.000976	✓	
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	3.77315497	3.77315488 ± 0.000976	✓	
DigHwTrqSENT_SSFilltKSV_M_str.SV_Uls_f32	3.77315497	3.77315488 ± 0.000976	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3

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Test Case 2: Path Test

Specification

Performance Metrics:
(With "None" instrumentation and WithPS Environment)

CPU Cycles:

TS2.1 2920.00 Cycles
TS2.2 2903.00 Cycles
TS2.3 2908.00 Cycles
TS2.4 2201.00 Cycles

Description

Vector Description:

TS2.1 (AbsHwTrq_HwNm_T_f32 <= k_T1T2CMCLPFEnable_HwNm_f32) ==> TRUE
TS2.2 (AbsHwTrq_HwNm_T_f32 <= k_T1T2CMCLPFEnable_HwNm_f32) ==> FALSE
TS2.3 "DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32 = Limit_m(DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32, -D_SSFILTSVLMT_HWNM_F32, D_SSFILTSVLMT_HWNM_F32)=F
if (AbsHwTrq_HwNm_T_f32 <= k_T1T2CMCLPFEnable_HwNm_f32)=F"
TS2.4 "DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32 = Limit_m(DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32, -D_SSFILTSVLMT_HWNM_F32, D_SSFILTSVLMT_HWNM_F32)=T
if (AbsHwTrq_HwNm_T_f32 <= k_T1T2CMCLPFEnable_HwNm_f32)=F"

Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-6		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.22605		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-14.5		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-2.64		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-2.52		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-2		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	12		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.2657		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-8.8093		
DigHwTrqSENT_TrqSum_HwNm_M_f32	2.29		
k_T1T2CMCLPFEnable_HwNm_f32	18.4504		
k_T1T2SSLim_HwNm_f32	3		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-4.12604523	-4.1260455 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-4.12604523	-4.1260455 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-4.12604523	-4.1260455 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-3.80923128	-3.80923101 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-3.80923128	-3.80923101 ± 0.000976	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 2.2 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	20		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.16375		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	3.7407		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-7.049		
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.815		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	1		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	1		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.1877		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	15.7744		
DigHwTrqSENT_TrqSum_HwNm_M_f32	12.523		
k_T1T2CMCLPFEnable_HwNm_f32	6.5501		
k_T1T2SSLim_HwNm_f32	10		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	20	20 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	3.74070001	3.7407 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-7.04899979	-7.049 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	3.77315497	3.77315488 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	3.77315497	3.77315488 ± 0.000976	✔

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T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1		✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1		✓

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Test Case 3: Boundary Test



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DigHwTrqSENT_Per3

Specification	Performance Metrics: (With "None" instrumentation and WithPS Environment)
	CPU Cycles:
	TS3.1 2907.00 Cycles
	TS3.2 2920.00 Cycles
	TS3.3 2925.00 Cycles
	TS3.4 2201.00 Cycles
	TS3.5 2903.00 Cycles
	TS3.6 2903.00 Cycles
	TS3.7 2920.00 Cycles
	TS3.8 2201.00 Cycles
	TS3.9 2925.00 Cycles
	TS3.10 2201.00 Cycles
	TS3.11 2201.00 Cycles
	TS3.12 2920.00 Cycles
	TS3.13 2925.00 Cycles
	TS3.14 2903.00 Cycles
	TS3.15 2201.00 Cycles
	TS3.16 2920.00 Cycles
	TS3.17 2920.00 Cycles
	TS3.18 2201.00 Cycles
	TS3.19 2920.00 Cycles
	TS3.20 2920.00 Cycles
	TS3.21 2184.00 Cycles
	TS3.22 2925.00 Cycles
	TS3.23 2920.00 Cycles
	TS3.24 2201.00 Cycles
	TS3.25 2925.00 Cycles
	TS3.26 2903.00 Cycles
	TS3.27 2920.00 Cycles
	TS3.28 2903.00 Cycles
	TS3.29 2920.00 Cycles
	TS3.30 2920.00 Cycles
	TS3.31 2920.00 Cycles
	TS3.32 2920.00 Cycles
	TS3.33 2184.00 Cycles
	TS3.34 2920.00 Cycles
	TS3.35 2920.00 Cycles
	TS3.36 2201.00 Cycles
	TS3.37 2201.00 Cycles
	TS3.38 2903.00 Cycles
	TS3.39 2920.00 Cycles
	TS3.40 2201.00 Cycles
	TS3.41 2925.00 Cycles
	TS3.42 2920.00 Cycles
	TS3.43 2925.00 Cycles
	TS3.44 2201.00 Cycles
	TS3.45 2201.00 Cycles
	TS3.46 2925.00 Cycles
	TS3.47 2920.00 Cycles
	TS3.48 2925.00 Cycles
	TS3.49 2925.00 Cycles
	TS3.50 2201.00 Cycles
	TS3.51 2920.00 Cycles
	TS3.52 2925.00 Cycles
	TS3.53 2920.00 Cycles
	TS3.54 2903.00 Cycles

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Description	Vector Description:
TS3.1	All Min
TS3.2	All Max
TS3.3	DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32==>Min
TS3.4	DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32==>Max
TS3.5	DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32==>Pos
TS3.6	DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32==>Zero
TS3.7	DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32==>Neg
TS3.8	DigHwTrqSENT_TdiagFiltOut_HwNm_M_f32==>Min
TS3.9	DigHwTrqSENT_TdiagFiltOut_HwNm_M_f32==>Max
TS3.10	DigHwTrqSENT_TdiagFiltOut_HwNm_M_f32==>Pos
TS3.11	DigHwTrqSENT_TdiagFiltOut_HwNm_M_f32==>Zero
TS3.12	DigHwTrqSENT_TdiagFiltOut_HwNm_M_f32==>Neg
TS3.13	DigHwTrqSENT_SSFiltKSV_M_str.SV==>Min
TS3.14	DigHwTrqSENT_SSFiltKSV_M_str.SV==>Max
TS3.15	DigHwTrqSENT_SSFiltKSV_M_str.SV==>Pos
TS3.16	DigHwTrqSENT_SSFiltKSV_M_str.SV==>Zero
TS3.17	DigHwTrqSENT_SSFiltKSV_M_str.SV==>Neg
TS3.18	DigHwTrqSENT_SSFiltKSV_M_str.K==>Min
TS3.19	DigHwTrqSENT_SSFiltKSV_M_str.K==>Max
TS3.20	DigHwTrqSENT_SSFiltKSV_M_str.K==>Pos
TS3.21	DigHwTrqSENT_HwTrq_HwNm_M_f32==>Min
TS3.22	DigHwTrqSENT_HwTrq_HwNm_M_f32==>Max
TS3.23	DigHwTrqSENT_HwTrq_HwNm_M_f32==>Pos
TS3.24	DigHwTrqSENT_HwTrq_HwNm_M_f32==>Zero
TS3.25	DigHwTrqSENT_HwTrq_HwNm_M_f32==>Neg
TS3.26	k_T1T2CMCLPFEnable_HwNm_f32==>Min
TS3.27	k_T1T2CMCLPFEnable_HwNm_f32==>Max
TS3.28	k_T1T2CMCLPFEnable_HwNm_f32==>Pos
TS3.29	DigHwTrqSENT_CMCFiltOut_HwNm_M_f32==>Min
TS3.30	DigHwTrqSENT_CMCFiltOut_HwNm_M_f32==>Max
TS3.31	DigHwTrqSENT_CMCFiltOut_HwNm_M_f32==>Pos
TS3.32	DigHwTrqSENT_CMCFiltOut_HwNm_M_f32==>Zero
TS3.33	DigHwTrqSENT_CMCFiltOut_HwNm_M_f32==>Neg
TS3.34	DigHwTrqSENT_CMCFiltSV_HwNm_M_f32==>Min
TS3.35	DigHwTrqSENT_CMCFiltSV_HwNm_M_f32==>Max
TS3.36	DigHwTrqSENT_CMCFiltSV_HwNm_M_f32==>Pos
TS3.37	DigHwTrqSENT_CMCFiltSV_HwNm_M_f32==>Zero
TS3.38	DigHwTrqSENT_CMCFiltSV_HwNm_M_f32==>Neg
TS3.39	DigHwTrqSENT_TrqSum_HwNm_M_f32==>Min
TS3.40	DigHwTrqSENT_TrqSum_HwNm_M_f32==>Max
TS3.41	DigHwTrqSENT_TrqSum_HwNm_M_f32==>Pos
TS3.42	DigHwTrqSENT_TrqSum_HwNm_M_f32==>Zero
TS3.43	DigHwTrqSENT_TrqSum_HwNm_M_f32==>Neg
TS3.44	DigHwTrqSENT_CMCFiltKSV_M_str.SV==>Min
TS3.45	DigHwTrqSENT_CMCFiltKSV_M_str.SV==>Max
TS3.46	DigHwTrqSENT_CMCFiltKSV_M_str.SV==>Pos
TS3.47	DigHwTrqSENT_CMCFiltKSV_M_str.SV==>Zero
TS3.48	DigHwTrqSENT_CMCFiltKSV_M_str.SV==>Neg
TS3.49	DigHwTrqSENT_CMCFiltKSV_M_str.K==>Min
TS3.50	DigHwTrqSENT_CMCFiltKSV_M_str.K==>Max
TS3.51	DigHwTrqSENT_CMCFiltKSV_M_str.K==>Pos
TS3.52	k_T1T2SSLim_HwNm_f32==>Min
TS3.53	k_T1T2SSLim_HwNm_f32==>Max
TS3.54	k_T1T2SSLim_HwNm_f32==>Pos

Test Step 3.1 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-20			
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-20			
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-20			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-10			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-20			
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-20			
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0			
DigHwTrqSENT_TdiagFiltOut_HwNm_M_f32	-20			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-20			
k_T1T2CMCLPFEnable_HwNm_f32	0			
k_T1T2SSLim_HwNm_f32	0			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-20	-20 ± 0.000976	✓	
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-20	-20 ± 0.000976	✓	
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-20	-20 ± 0.000976	✓	
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-0.00390625	-0.00390625 ± 0.000976	✓	
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-0.00390625	-0.00390625 ± 0.000976	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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Test Step 3.2 (Repeat Count = 1)				✓
Name	Input Value			
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	20			
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.998132557			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	20			
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	20			
DigHwTrqSENT_HwTrq_HwNm_M_f32	10			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	20			
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	20			
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.998132557			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	20			
DigHwTrqSENT_TrqSum_HwNm_M_f32	20			
k_T1T2CMCLPFEnable_HwNm_f32	20			
k_T1T2SSLim_HwNm_f32	20			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	20	20 ± 0.000976	✓	
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	20	20 ± 0.000976	✓	
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	20	20 ± 0.000976	✓	
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	20	20 ± 0.000976	✓	
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	20	20 ± 0.000976	✓	

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓	
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓	

Test Step 3.3 (Repeat Count = 1)				✓
Name	Input Value			
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-9			
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.10145			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-6.683			
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-17.57			
DigHwTrqSENT_HwTrq_HwNm_M_f32	7.3162			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-20			
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	12			
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.1097			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-1.801			
DigHwTrqSENT_TrqSum_HwNm_M_f32	13.789			
k_T1T2CMCLPFEnable_HwNm_f32	13.5477			
k_T1T2SSLim_HwNm_f32	3			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-6.68805599	-6.68805595 ± 0.000976	✓	
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-6.68805599	-6.68805595 ± 0.000976	✓	
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-6.68805599	-6.68805595 ± 0.000976	✓	
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-2.87194753	-2.871947434 ± 0.000976	✓	
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-2.87194753	-2.871947434 ± 0.000976	✓	

T					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓	
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓	

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DigHwTrqSENT_Per3



Test Step 3.4 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	7		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.1326		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-13.79		
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.0946		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-18		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.1487		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-8.8091		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-13.71		
k_T1T2CMCLPFEnable_HwNm_f32	20		
k_T1T2SSLim_HwNm_f32	4.5		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	4.25385427	4.253854 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	4.25385427	4.253854 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	4.25385427	4.253854 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	2.52426219	2.52426221 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	2.52426219	2.524262221 ± 0.000976	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.5 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	20		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.16375		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	3.7407		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-7.049		
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.815		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	1.23		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	1		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.1877		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	15.7744		
DigHwTrqSENT_TrqSum_HwNm_M_f32	12.523		
k_T1T2CMCLPFEnable_HwNm_f32	6.5501		
k_T1T2SSLim_HwNm_f32	5		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	20	20 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	3.74070001	3.7407 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-7.04899979	-7.049 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	3.95998383	3.95998388 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	3.95998383	3.95998388 ± 0.000976	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.6 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-5		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.1949		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	1.5899		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-2.13		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-5.326		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	11		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.2267		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	10.77		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-2.4253		
k_T1T2CMCLPFEnable_HwNm_f32	5.0546		
k_T1T2SSLim_HwNm_f32	6		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-5	-5 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	1.58990002	1.5899 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-2.13000011	-2.13 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	2.44155908	2.441559 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	2.44155908	2.441559 ± 0.000976	✔

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.7 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-6		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.22605		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-14.5		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-2.64		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-2.52		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-2.12		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	12		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.2657		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-8.8093		
DigHwTrqSENT_TrqSum_HwNm_M_f32	2.29		
k_T1T2CMCLPFEnable_HwNm_f32	18.4504		
k_T1T2SSLim_HwNm_f32	7.25		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-4.12604523	-4.1260455 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-4.12604523	-4.1260455 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-4.12604523	-4.1260455 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-3.89734697	-3.89734701 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-3.89734697	-3.89734701 ± 0.000976	✔

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.8 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-2		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.2572		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	16.845		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	15.11245		
DigHwTrqSENT_HwTrq_HwNm_M_f32	1.6193		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	11.7643		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-7		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.3047		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-20		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-17.07		
k_T1T2CMCLPFEnable_HwNm_f32	2.722		
k_T1T2SSLim_HwNm_f32	8		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-5.87600422	-5.876004 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-5.87600422	-5.876004 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-5.87600422	-5.876004 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-0.528883934	-0.528883984 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-0.528883934	-0.528883984 ± 0.000976	✔

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.9 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	9		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.28835		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-18.722		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-17.6931		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-2.53		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-19.425		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	19		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.3437		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-17.68		
k_T1T2CMCLPFEnable_HwNm_f32	11.965		
k_T1T2SSLim_HwNm_f32	9		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	1.3068223	1.306822 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	1.3068223	1.306822 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	1.3068223	1.306822 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0.964735985	0.964736328 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0.964735985	0.964736328 ± 0.000976	✔

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.10 (Repeat Count = 1)			✓
Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-10		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.3195		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	12.4951		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	16.788		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-5.709		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	11.1896		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	12		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.3827		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	6.02		
DigHwTrqSENT_TrqSum_HwNm_M_f32			
k_T1T2CMCLPFEnable_HwNm_f32	12.745		
k_T1T2SSLim_HwNm_f32	10.25		
Name	Actual Value	Expected Value	
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-2.25244427	-2.2524445 ± 0.000976	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-2.25244427	-2.2524445 ± 0.000976	✓
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-2.25244427	-2.2524445 ± 0.000976	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	8.6335907	8.633590328 ± 0.000976	✓
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	8.6335907	8.633590328 ± 0.000976	✓
T			✓

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DigHwTrqSENT_Per3



Test Step 3.12 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	12		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.3818		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-9.98		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-17.842		
DigHwTrqSENT_HwTrq_HwNm_M_f32	3.229		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	9.0705		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	17		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.4607		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-19.12		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-19.209		
k_T1T2CMCLPFEnable_HwNm_f32	14.571		
k_T1T2SSLim_HwNm_f32	12		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	0.0844039917	0.0844038 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	0.0844039917	0.0844038 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	0.0844039917	0.0844038 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-3.9168644	-3.91686335 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-3.9168644	-3.91686335 ± 0.000976	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.13 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-1		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.41295		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	18.631		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	11.99		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-7.071		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-18.14		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-20		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.4997		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	12.39		
DigHwTrqSENT_TrqSum_HwNm_M_f32	6.922		
k_T1T2CMCLPFEnable_HwNm_f32	17.85		
k_T1T2SSLim_HwNm_f32	13.25		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	2.27138996	2.2713899 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	2.27138996	2.2713899 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	2.27138996	2.2713899 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-0.439646721	-0.439646297 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-0.439646721	-0.439646297 ± 0.000976	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.14 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-15		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.4441		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-0.86		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-18.495		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.7194		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-3.024		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	20		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.5387		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-7.812		
DigHwTrqSENT_TrqSum_HwNm_M_f32	19.122		
k_T1T2CMCLPFEnable_HwNm_f32	2.048		
k_T1T2SSLim_HwNm_f32	14		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-15	-15 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-0.860000014	-0.86 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-18.4950008	-18.495 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-5.60329533	-5.6032956 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-5.60329533	-5.6032956 ± 0.000976	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.15 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-12		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.47525		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	9.684		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-14.41		
DigHwTrqSENT_HwTrq_HwNm_M_f32	3.318		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	15.36		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	19.02		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.5777		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-10.353		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-15.07953		
k_T1T2CMCLPFEnable_HwNm_f32	8.283		
k_T1T2SSLim_HwNm_f32	15.12		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-13.4635468	-13.46354663 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-13.4635468	-13.46354663 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-13.4635468	-13.46354663 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0.405897141	0.405897509 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0.405897141	0.405897509 ± 0.000976	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.16 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-10		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.5064		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-3.723		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	7.436		
DigHwTrqSENT_HwTrq_HwNm_M_f32	7.609		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	12.409		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.6167		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-0.3		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-4.2348		
k_T1T2CMCLPFEnable_HwNm_f32	17.27		
k_T1T2SSLim_HwNm_f32	16		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-7.08050251	-7.08050272 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-7.08050251	-7.08050272 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-7.08050251	-7.08050272 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	4.57135963	4.5713597 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	4.57135963	4.5713597 ± 0.000976	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.17 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	20		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.53755		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10.488		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-9.22		
DigHwTrqSENT_HwTrq_HwNm_M_f32	3.4593		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-4.685		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-4.02		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.6557		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-9.561		
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.2047		
k_T1T2CMCLPFEnable_HwNm_f32	5.63		
k_T1T2SSLim_HwNm_f32	17.12		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	9.3590374	9.359036485 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	9.3590374	9.359036485 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	9.3590374	9.359036485 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-7.88219357	-7.8821932 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-7.88219357	-7.8821932 ± 0.000976	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.18 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-20		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.5687		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	4.708		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	14.532		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-1.076		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	19.44		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	8		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-6.035		
DigHwTrqSENT_TrqSum_HwNm_M_f32	16.9027		
k_T1T2CMCLPFEnable_HwNm_f32	14.247		
k_T1T2SSLim_HwNm_f32	18		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	0.986566544	0.98656549 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	0.986566544	0.98656549 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	0.986566544	0.98656549 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	18.0039063	18.00390625 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	18.0039063	18.00390625 ± 0.000976	✔

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.19 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-7		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.59985		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	2.5965		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-11.382		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-6.0707		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	15.7292		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-4		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.998132557		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-18.1577		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-13.054		
k_T1T2CMCLPFEnable_HwNm_f32	8.32		
k_T1T2SSLim_HwNm_f32	19.23		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-10.6314917	-10.6314919 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10.6314917	-10.6314919 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.6314917	-10.6314919 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-18.0944195	-18.09441815 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-18.0944195	-18.09441815 ± 0.000976	✔

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.20 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	9		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.631		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-1.0684		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.725		
DigHwTrqSENT_HwTrq_HwNm_M_f32	0.4051		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-17.694		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-20		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.57897		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-0.22		
DigHwTrqSENT_TrqSum_HwNm_M_f32	13.842		
k_T1T2CMCLPFEnable_HwNm_f32	17.52		
k_T1T2SSLim_HwNm_f32	20		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	12.0553017	12.055302 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	12.0553017	12.055302 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	12.0553017	12.055302 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-7.57707787	-7.57707822 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-7.57707787	-7.57707822 ± 0.000976	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.21 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-9		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.66215		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	6.62		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	0.7522		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-10		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	18.9318		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-14		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.1182		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.5532		
DigHwTrqSENT_TrqSum_HwNm_M_f32	6.761785		
k_T1T2CMCLPFEnable_HwNm_f32	9.0893		
k_T1T2SSLim_HwNm_f32	1		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-9	-9 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	6.61999989	6.62 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	0.752200007	0.7522 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-0.48034358	-0.480343709 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-0.48034358	-0.480343709 ± 0.000976	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.22 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-8		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.6933		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	11.407		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	5.4054		
DigHwTrqSENT_HwTrq_HwNm_M_f32	10		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-5.0752		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-14		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.1589		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	15.4459		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-10.8864		
k_T1T2CMCLPFEnable_HwNm_f32	17.555		
k_T1T2SSLim_HwNm_f32	2		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-10.0011415	-10.00114112 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10.0011415	-10.00114112 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.0011415	-10.00114112 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0.768867731	0.768867963 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0.768867731	0.768867963 ± 0.000976	✔

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.23 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-14		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.72445		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-17.328		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	4.8765		
DigHwTrqSENT_HwTrq_HwNm_M_f32	1.05		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	1.519		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.1996		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	4.13		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-18.082		
k_T1T2CMCLPFEnable_HwNm_f32	4.5944		
k_T1T2SSLim_HwNm_f32	3.02		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-16.9572048	-16.9572049 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-16.9572048	-16.9572049 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-16.9572048	-16.9572049 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	2.04015565	2.0401556 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	2.04015565	2.0401556 ± 0.000976	✔

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.24 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-7		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.7556		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-13.553		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-15.891		
DigHwTrqSENT_HwTrq_HwNm_M_f32	0		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	11.4515		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-4		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.2403		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	10.951		
DigHwTrqSENT_TrqSum_HwNm_M_f32	17.36		
k_T1T2CMCLPFEnable_HwNm_f32	15.353		
k_T1T2SSLim_HwNm_f32	4.36		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	11.4064159	11.406416 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	11.4064159	11.406416 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	11.4064159	11.406416 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	5.94678497	5.946784878 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	5.94678497	5.946784878 ± 0.000976	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.25 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-1		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.78675		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-15.891		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	18.662		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-3.12		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-17.806		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-16		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.281		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	18.0432		
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.119		
k_T1T2CMCLPFEnable_HwNm_f32	18.881		
k_T1T2SSLim_HwNm_f32	5		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-0.11962676	-0.11962675 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-0.11962676	-0.11962675 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-0.11962676	-0.11962675 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	1.47233009	1.472330606 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	1.47233009	1.472330606 ± 0.000976	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.26 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	17		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.8179		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-17.89		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-4.3124		
DigHwTrqSENT_HwTrq_HwNm_M_f32	4.152		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	4.29078		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-9		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.3217		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-6.428		
DigHwTrqSENT_TrqSum_HwNm_M_f32	7.487		
k_T1T2CMCLPFEnable_HwNm_f32	0		
k_T1T2SSLim_HwNm_f32	6		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	17	17 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-17.8899994	-17.89 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-4.31239986	-4.3124 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0.84254837	0.842548474 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0.84254837	0.842548474 ± 0.000976	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.27 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-19		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.84905		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	2.3727		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-5.758		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-9.1979		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-0.783		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	6		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.3624		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	2.26		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-17.301		
k_T1T2CMCLPFEnable_HwNm_f32	20		
k_T1T2SSLim_HwNm_f32	7.52		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-17.5574646	-17.55746405 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-17.5574646	-17.55746405 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-17.5574646	-17.55746405 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0.319783211	0.3197832 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0.319783211	0.3197832 ± 0.000976	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.28 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	11		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.8802		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	19.2423		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-18.3687		
DigHwTrqSENT_HwTrq_HwNm_M_f32	3.6037		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-7.7752		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	14		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.4031		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-16.6916		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-19.441		
k_T1T2CMCLPFEnable_HwNm_f32	3.21		
k_T1T2SSLim_HwNm_f32	8		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	11	11 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	19.2423	19.2423 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-18.3687	-18.3687 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-11.369401	-11.36940084 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-11.369401	-11.36940084 ± 0.000976	✔

T	Actual Function	Count	Expected Function	Count	Result
	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.29 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-17		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.91135		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-20		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	16.495		
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.889		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	5.53		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.4438		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	6.009		
DigHwTrqSENT_TrqSum_HwNm_M_f32	19.1894		
k_T1T2CMCLPFEnable_HwNm_f32	18.298		
k_T1T2SSLim_HwNm_f32	9.36		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	15.9812088	15.98120969 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	15.9812088	15.98120969 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	15.9812088	15.98120969 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	5.74258041	5.7425802 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	5.74258041	5.7425802 ± 0.000976	✔

T	Actual Function	Count	Expected Function	Count	Result
	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.30 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	5		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.9425		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	0.235713		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-2.851		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	6.56		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-13		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.4845		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-3.188		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-11.393		
k_T1T2CMCLPFEnable_HwNm_f32	10.9788		
k_T1T2SSLim_HwNm_f32	10		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-10.4504023	-10.4504025 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10.4504023	-10.4504025 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.4504023	-10.4504025 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	1.83709383	1.837094 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	1.83709383	1.837094 ± 0.000976	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.31 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	8		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.97365		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	8.15		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-3.29739		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-7.5378		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-9.1844		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	16		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.5252		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	19.3773		
DigHwTrqSENT_TrqSum_HwNm_M_f32	16.61		
k_T1T2CMCLPFEnable_HwNm_f32	13.669		
k_T1T2SSLim_HwNm_f32	11.32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	16.3831272	16.3831265 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	16.3831272	16.3831265 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	16.3831272	16.3831265 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	5.81620502	5.81620484 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	5.81620502	5.81620484 ± 0.000976	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.32 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	11		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.118		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	0		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	18.18004		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-1.0637		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-8.546		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-5		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.5659		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-15.3		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-1.7311		
k_T1T2CMCLPFEnable_HwNm_f32	9.59		
k_T1T2SSLim_HwNm_f32	12		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	9.49773026	9.4977302 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	9.49773026	9.4977302 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	9.49773026	9.4977302 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-12.3680887	-12.3680886 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-12.3680887	-12.3680886 ± 0.000976	✔

T ✓				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.33 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-4		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.167		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-16.2		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-9.6991		
DigHwTrqSENT_HwTrq_HwNm_M_f32	6.203		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	14.0218		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-7		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.6066		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	17.861		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-13.032		
k_T1T2CMCLPFEnable_HwNm_f32	3.287		
k_T1T2SSLim_HwNm_f32	13.7		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-4	-4 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-16.2000008	-16.2 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-9.69909954	-9.6991 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	16.2255993	16.22559932 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	16.2255993	16.22559932 ± 0.000976	✔

T ✓				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.34 (Repeat Count = 1)

Name	Input Value			
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	11			
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.216			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	14.8411			
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-20			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-2.479			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	13.808			
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	11			
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.6473			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	5.428			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-8.21			
k_T1T2CMCLPFEnable_HwNm_f32	13.504			
k_T1T2SSLim_HwNm_f32	14			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	6.8506403	6.85064 ± 0.000976	✓	
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	6.8506403	6.85064 ± 0.000976	✓	
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	6.8506403	6.85064 ± 0.000976	✓	
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	8.38362598	8.383626 ± 0.000976	✓	
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	8.38362598	8.383626 ± 0.000976	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.35 (Repeat Count = 1)

Name	Input Value			
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-13			
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.265			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-17.189			
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	20			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-1.348			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	4.155			
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-12			
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.688			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-5.743			
DigHwTrqSENT_TrqSum_HwNm_M_f32	10.754			
k_T1T2CMCLPFEnable_HwNm_f32	12.865			
k_T1T2SSLim_HwNm_f32	15.12			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-6.70519018	-6.70519 ± 0.000976	✓	
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-6.70519018	-6.70519 ± 0.000976	✓	
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-6.70519018	-6.70519 ± 0.000976	✓	
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-2.65482473	-2.654824 ± 0.000976	✓	
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-2.65482473	-2.654824 ± 0.000976	✓	

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.36 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	18		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.314		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-14.541		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	12.22		
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.699		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-2		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.7287		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-13.8809		
DigHwTrqSENT_TrqSum_HwNm_M_f32	15.00808		
k_T1T2CMCLPFEnable_HwNm_f32	17.9333		
k_T1T2SSLim_HwNm_f32	16		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	17.0605373	17.06053712 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	17.0605373	17.06053712 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	17.0605373	17.06053712 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-5.77315331	-5.773152064 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-5.77315331	-5.773152064 ± 0.000976	✔

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.37 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-7		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.363		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	19.533		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	0		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-0.8317		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	17.34		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-11		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.7694		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-0.3208		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-9.5073		
k_T1T2CMCLPFEnable_HwNm_f32	7.7128		
k_T1T2SSLim_HwNm_f32	17.32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-7.91015005	-7.9101499 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-7.91015005	-7.9101499 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-7.91015005	-7.9101499 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	3.74806881	3.748069261 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	3.74806881	3.748069261 ± 0.000976	✔

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.38 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-18		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.412		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	14.1904		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-16.91		
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.1164		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-10.698		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	16		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.8101		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.0042		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-5.761		
k_T1T2CMCLPFEnable_HwNm_f32	1.11528		
k_T1T2SSLim_HwNm_f32	18		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-18	-18 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	14.1904001	14.1904 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-16.9099998	-16.91 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-10.9460526	-10.94605262 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-10.9460526	-10.94605262 ± 0.000976	✔

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.39 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-8		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.461		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	13.76		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-4.55899		
DigHwTrqSENT_HwTrq_HwNm_M_f32	0.6415		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	8.49		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	5		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.8508		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-20		
k_T1T2CMCLPFEnable_HwNm_f32	10.622		
k_T1T2SSLim_HwNm_f32	19		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-13.5319996	-13.532 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-13.5319996	-13.532 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-13.5319996	-13.532 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	18.2827072	18.282708 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	18.2827072	18.282708 ± 0.000976	✔

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.40 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	6		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.51		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-13.9702		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-6.355		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-5		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.8915		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-14.652		
DigHwTrqSENT_TrqSum_HwNm_M_f32	20		
k_T1T2CMCLPFEnable_HwNm_f32	10.622		
k_T1T2SSLim_HwNm_f32	17.5		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	13.1399994	13.14 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	13.1399994	13.14 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	13.1399994	13.14 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-11.163084	-11.16308417 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-11.163084	-11.16308417 ± 0.000976	✔

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.41 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-14		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.559		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10.195		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	10.056		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-4.16079		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-9.998		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-5		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.9322		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-18.8156		
DigHwTrqSENT_TrqSum_HwNm_M_f32	1.22		
k_T1T2CMCLPFEnable_HwNm_f32	7.8739		
k_T1T2SSLim_HwNm_f32	1		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-5.49201965	-5.49202 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-5.49201965	-5.49202 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-5.49201965	-5.49202 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-17.6079674	-17.60796716 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-17.6079674	-17.60796716 ± 0.000976	✔

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.42 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	16		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.608		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	7.17443		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.966		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.167		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	1.88		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	15		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.9729		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-5.83		
DigHwTrqSENT_TrqSum_HwNm_M_f32	0		
k_T1T2CMCLPFEnable_HwNm_f32	9.476028		
k_T1T2SSLim_HwNm_f32	2		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	6.27200031	6.272 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	6.27200031	6.272 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	6.27200031	6.272 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-5.62105894	-5.621059 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-5.62105894	-5.621059 ± 0.000976	✔

T	Actual Function	Count	Expected Function	Count	Result
	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.43 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-14		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.657		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	5.6705		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-11.3799		
DigHwTrqSENT_HwTrq_HwNm_M_f32	10		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-15.63		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	4		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.1176		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	2.454		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-15.25		
k_T1T2CMCLPFEnable_HwNm_f32	10.622		
k_T1T2SSLim_HwNm_f32	3		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-14.82125	-14.82125 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-14.82125	-14.82125 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-14.82125	-14.82125 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-2.36205649	-2.362056475 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-2.36205649	-2.362056475 ± 0.000976	✔

T	Actual Function	Count	Expected Function	Count	Result
	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.44 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-20		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.706		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	19.799		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-6.75018		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-4.0447		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	18		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.137		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	17.8411		
DigHwTrqSENT_TrqSum_HwNm_M_f32	18.71		
k_T1T2CMCLPFEnable_HwNm_f32	20		
k_T1T2SSLim_HwNm_f32	4.02		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	7.32925797	7.32926 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	7.32925797	7.32926 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	7.32925797	7.32926 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	5.91686153	5.916861794 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	5.91686153	5.916861794 ± 0.000976	✔

T ✓				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.45 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	20		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.755		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-2.749		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-2.6244		
DigHwTrqSENT_HwTrq_HwNm_M_f32	2.9801		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	7.723		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	1		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.1564		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	2.06809		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-9.4		
k_T1T2CMCLPFEnable_HwNm_f32	20		
k_T1T2SSLim_HwNm_f32	5		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-2.1970005	-2.197 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-2.1970005	-2.197 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-2.1970005	-2.197 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	4.54474449	4.544744589 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	4.54474449	4.544744589 ± 0.000976	✔

T ✓				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.46 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	14.25		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.804		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-17.675		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	10.39		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-3.5607		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-19.35		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-7		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.1758		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-3.3367		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-19.27		
k_T1T2CMCLPFEnable_HwNm_f32	13.6503		
k_T1T2SSLim_HwNm_f32	6.036		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-12.7000809	-12.70008 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-12.7000809	-12.70008 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-12.7000809	-12.70008 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-5.56468248	-5.564682591 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-5.56468248	-5.564682591 ± 0.000976	✔

T	Actual Function	Count	Expected Function	Count	Result
	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.47 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	0		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.853		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	16.008		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-15.144		
DigHwTrqSENT_HwTrq_HwNm_M_f32	7.89		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	3.58		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	15		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.1952		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	14.737		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-6.7898		
k_T1T2CMCLPFEnable_HwNm_f32	12.894		
k_T1T2SSLim_HwNm_f32	7		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-5.79169941	-5.7916994 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-5.79169941	-5.7916994 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-5.79169941	-5.7916994 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	5.75784636	5.7578464 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	5.75784636	5.7578464 ± 0.000976	✔

T	Actual Function	Count	Expected Function	Count	Result
	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.48 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-1.12		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.902		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-13.32		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-2.134		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-3.3016		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-15.89		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-10		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.2146		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	13.875		
DigHwTrqSENT_TrqSum_HwNm_M_f32	4.6088		
k_T1T2CMCLPFEnable_HwNm_f32	11.198		
k_T1T2SSLim_HwNm_f32	8.25		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	4.04737759	4.0473776 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	4.04737759	4.0473776 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	4.04737759	4.0473776 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-3.50504303	-3.505042969 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-3.50504303	-3.505042969 ± 0.000976	✔

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.49 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	11		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-9.786		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	13.8		
DigHwTrqSENT_HwTrq_HwNm_M_f32	6.703		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-15.77		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-10		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.234		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	7.5695		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-4.465		
k_T1T2CMCLPFEnable_HwNm_f32	15.05		
k_T1T2SSLim_HwNm_f32	9		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	11	11 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	11	11 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	11	11 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-5.12572956	-5.125729188 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-5.12572956	-5.125729188 ± 0.000976	✔

T ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.50 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	9		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.998132557		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	4.926		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	3.5052		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-6.337		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	12.754		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-13		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.2534		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	9.597		
DigHwTrqSENT_TrqSum_HwNm_M_f32	6.328		
k_T1T2CMCLPFEnable_HwNm_f32	15.05		
k_T1T2SSLim_HwNm_f32	10.24		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	6.33298969	6.332989807 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	6.33298969	6.332989807 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	6.33298969	6.332989807 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	10.0799799	10.07998021 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	10.0799799	10.07998021 ± 0.000976	✔

T ✓				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.51 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-12		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.63785		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-5.021		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	11.52		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-3.69		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-8.336		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-6		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.2728		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_TrqSum_HwNm_M_f32	10.421		
k_T1T2CMCLPFEnable_HwNm_f32	6.5948		
k_T1T2SSLim_HwNm_f32	11		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	2.30123425	2.30123485 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	2.30123425	2.30123485 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	2.30123425	2.30123485 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-0.605939388	-0.6059392 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-0.605939388	-0.6059392 ± 0.000976	✔

T ✓				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.52 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-7		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.59985		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	2.5965		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-11.382		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-6.0707		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-20		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-4		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.998132557		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-20		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-13.054		
k_T1T2CMCLPFEnable_HwNm_f32	8.32		
k_T1T2SSLim_HwNm_f32	0		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-10.6314917	-10.6314919 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10.6314917	-10.6314919 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.6314917	-10.6314919 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-19.9626598	-19.96265844 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-19.9626598	-19.96265844 ± 0.000976	✔

T ✓				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

Test Step 3.53 (Repeat Count = 1) ✓

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-6		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.22605		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-14.5		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-2.64		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-2.52		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-2		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	12		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.2657		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-8.8093		
DigHwTrqSENT_TrqSum_HwNm_M_f32	2.29		
k_T1T2CMCLPFEnable_HwNm_f32	18.4504		
k_T1T2SSLim_HwNm_f32	20		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-4.12604523	-4.1260455 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-4.12604523	-4.1260455 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-4.12604523	-4.1260455 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-3.80923128	-3.80923101 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-3.80923128	-3.80923101 ± 0.000976	✔

T ✓				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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DigHwTrqSENT_Per3



Test Step 3.54 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	20		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.16375		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	3.7407		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-7.049		
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.815		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	1		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	1		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.1877		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	15.7744		
DigHwTrqSENT_TrqSum_HwNm_M_f32	12.523		
k_T1T2CMCLPFEnable_HwNm_f32	6.5501		
k_T1T2SSLim_HwNm_f32	10.3		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	20	20 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	3.74070001	3.7407 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-7.04899979	-7.049 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	3.77315497	3.77315488 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	3.77315497	3.77315488 ± 0.000976	✔

T				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP0_CheckpointReached	1	✓
Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per3_CP1_CheckpointReached	1	✓

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TrimNotPerfDiag



Project	CBD_DigHwTrqSENT
Module	DigHwTrqSENT
Test Object	TrimNotPerfDiag

Instrumentation: Test Object and Called Functions

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\CBD_DigHwTrqSENT
Configuration File	D:\Synergy_Work_Area\CBD_DigHwTrqSENT\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)\DigHwTrqSENT\src\Sa_DigHwTrqSENT.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_OFF -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include \TMS570_HerculesRegs -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_OFF -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include \TMS570_HerculesRegs -I\$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
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TrimNotPerfDiag

Module 'DigHwTrqSENT'

*****UNIT TEST DESCRIPTION*****

Name of Tester: Ankita Bhardwaj
Code File(s) Under Test: Sa_DigHwTrqSENT.c
Code File(s) Version: 8
Module Design Document: DigHwTrqSENT_MDD.docx
Module Design Document Version: 11
Data Dictionary Version: 8
Unit Test Plan Version: 5
Optimization Level: Level 2
Compiler (CodeGen) Version: TMS570_4.9.5
Model Type: Excel Macro
Model Version: Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.30
Total FLASH Used (Bytes): 1638
Total RAM Used (Bytes): 84
Total CALS Used (Bytes): 108
Special Test Requirements:
Test Date: 8/22/2014
Comments: NOTE1: Inline functions declared in GlobalMacro.h are not Unit Tested.

NOTE2: "CBD_Sandbox_dbg.map" map file is embedded for reference.

NOTE3: Low MC/DC coverage in function "DigHwTrqSENT_SCom_ClrTrqTrim" as the path "if(D_TRIMNOTPERFORMED_CNT_LGC == Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc)" at line number 1210 of source code cannot be made FALSE which has been called in function "TrimNotPerfDiag" as "Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc" gets updated with const "D_TRIMNOTPERFORMED_CNT_LGC" having value FALSE always."

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 3.2
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\CBD_DigHwTrqSENT\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Metrics Test

Specification	Performance Metrics: (With "None" instrumentation and WithPS Environment) CPU Cycles: TS1.1 1459.00 Cycles TS1.2 1209.00 Cycles
Description	Vector Description: TS1.1 " Shortest Execution Path: if((D_TRIMNOTPERFORMED_CNT_LGC == Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc) && (D_MFGMODE_CNT_ENUM != MECCounter_Cnt_T_enum))=TRUE" TS1.2 "Longest Execution Path: if((D_TRIMNOTPERFORMED_CNT_LGC == Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc) && (D_MFGMODE_CNT_ENUM != MECCounter_Cnt_T_enum))=FALSE"

Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
MECCounter_Cnt_T_enum	0		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
MECCounter_Cnt_T_enum	1		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

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TrimNotPerfDiag



Test Case 2: Boundary Test

Specification

Performance Metrics:
(With "None" instrumentation and WithPS Environment)

CPU Cycles:

TS2.1 1459.00 Cycles
TS2.2 1209.00 Cycles
TS2.3 1459.00 Cycles
TS2.4 1459.00 Cycles
TS2.5 1209.00 Cycles
TS2.6 1459.00 Cycles
TS2.7 1209.00 Cycles

Description

Vector Description:

TS2.1 MECCounter_Cnt_enum = ProductionMode
TS2.2 MECCounter_Cnt_enum = EngineeringMode
TS2.3 MECCounter_Cnt_enum = ManufacturingMode
TS2.4 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc = Min
TS2.5 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc = Max
TS2.6 All Min
TS2.7 All Max

Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
MECCounter_Cnt_T_enum	0		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.2 (Repeat Count = 1)

Name	Input Value		
MECCounter_Cnt_T_enum	2		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

Test Step 2.3 (Repeat Count = 1)

Name	Input Value		
MECCounter_Cnt_T_enum	1		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

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Test Step 2.4 (Repeat Count = 1)				
Name	Input Value			
MECCounter_Cnt_T_enum	2			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0			
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim			
Name	Actual Value	Expected Value	Result	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓	

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

Test Step 2.5 (Repeat Count = 1)				
Name	Input Value			
MECCounter_Cnt_T_enum	1			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1			
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim			
Name	Actual Value	Expected Value	Result	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓	

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

Test Step 2.6 (Repeat Count = 1)				
Name	Input Value			
MECCounter_Cnt_T_enum	0			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0			
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim			
Name	Actual Value	Expected Value	Result	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓	

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

Test Step 2.7 (Repeat Count = 1)				
Name	Input Value			
MECCounter_Cnt_T_enum	2			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1			
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim			
Name	Actual Value	Expected Value	Result	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓	

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

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Test Case 3: Path Test

Specification	Performance Metrics: (With "None" instrumentation and WithPS Environment)
	CPU Cycles: TS3.1 1459.00 Cycles TS3.2 1209.00 Cycles
Description	Vector Description: TS3.1 ((D_TRIMNOTPERFORMED_CNT_LGC = Rte_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc) And (D_MFGMODE_CNT_ENUM <> MECCounter_Cnt_T_enum)) ==> TRUE TS3.2 ((D_TRIMNOTPERFORMED_CNT_LGC = Rte_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc) And (D_MFGMODE_CNT_ENUM <> MECCounter_Cnt_T_enum)) ==> FALSE

Test Step 3.1 (Repeat Count = 1)

Name	Input Value		
MECCounter_Cnt_T_enum	2		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓

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

Test Step 3.2 (Repeat Count = 1)

Name	Input Value		
MECCounter_Cnt_T_enum	1		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	507	507	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✔
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✔

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