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)
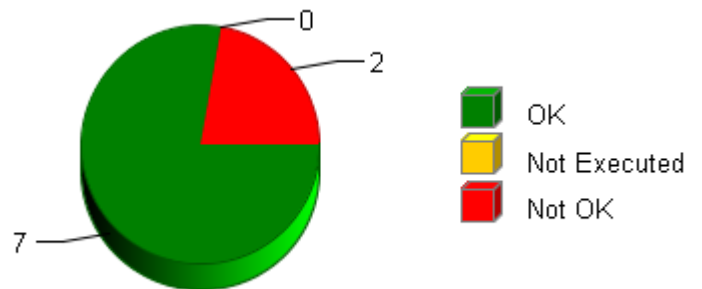
Selected Project Items

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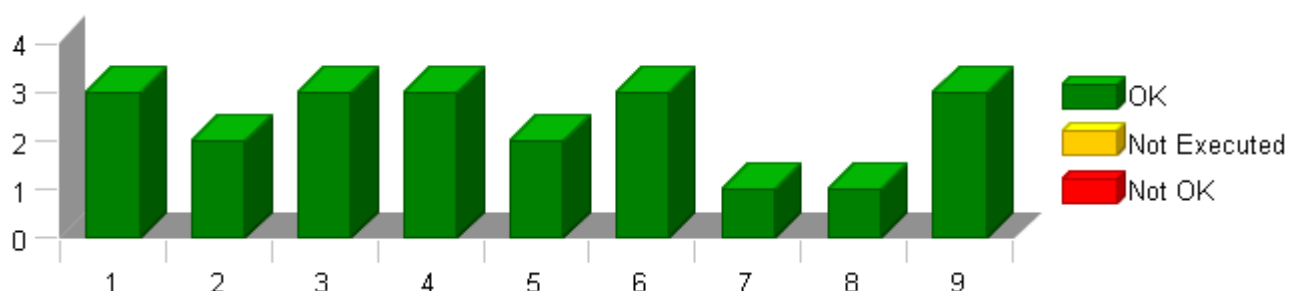
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object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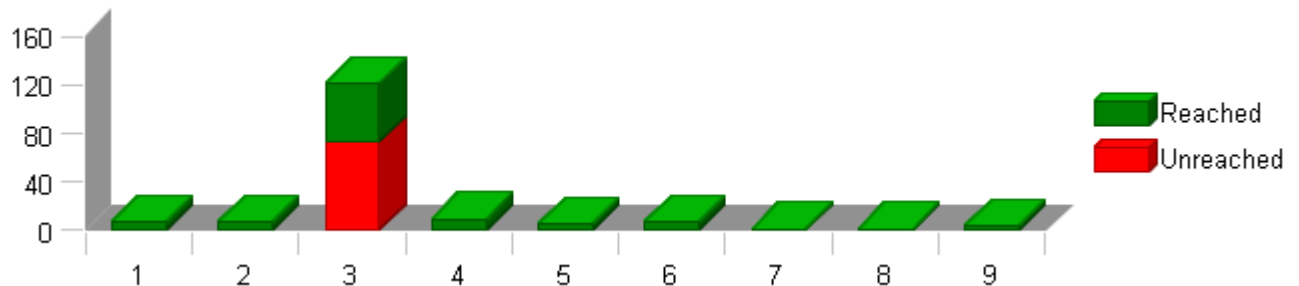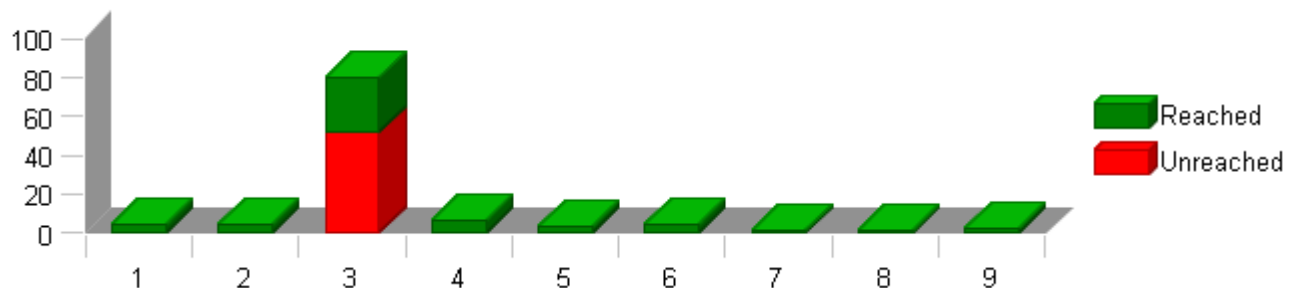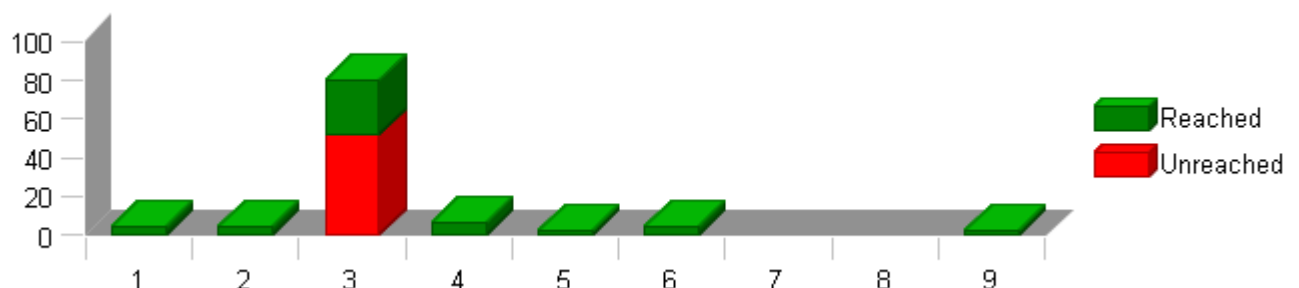

The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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.
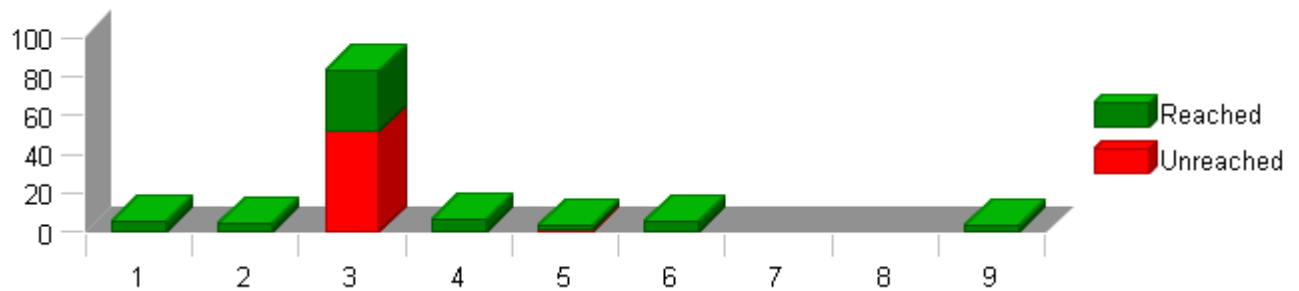
Decision Coverage: Total Decision Outcomes for Each Test Object

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.

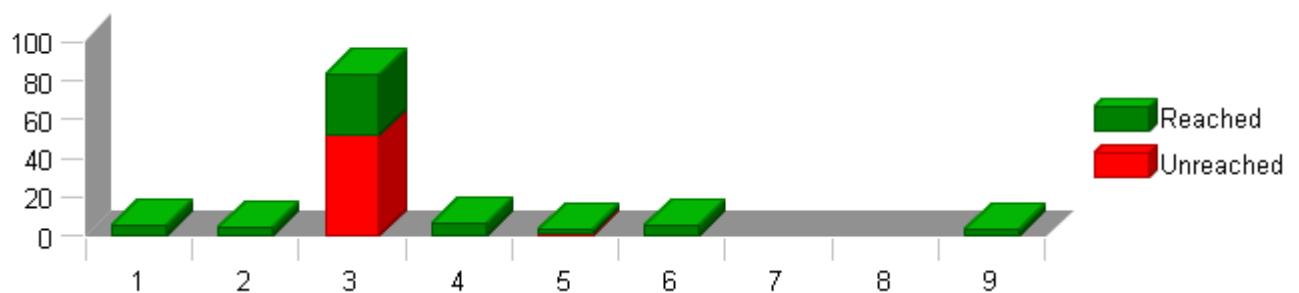Each bar is divided into reached and unreached decision outcomes.

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	✔

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**

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  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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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

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	✔

Test Step Call Trace ✔

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_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	✔

Test Step Call Trace ✔

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_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	✔

Test Step Call Trace ✔

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 2.6 (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	✔

Test Step Call Trace

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 ± 0.00048828125	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0	0	✔

Test Step Call Trace

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 DETAILS REPORT

DigHwTrqSENT_Per2

2014-08-22, 17:58:20+0530

Razorcat

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

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:
TC.1.1  1713.00  Cycles
TC.1.2  1725.00  Cycles
```

Description   Vector Decsription:

TC1.1"Shortest Execution Path:((TmpTrqSum_HwNm_T_f32)>=(-k_T1vsT2TrqSum_HwNm_f32))=>True
((DigHwTrqSENT_CMCFiltOut_HwNm_M_f32)>=(-k_CMCLPFOutLim_HwNm_f32))=>True
DigHwTrqSENT_TrqSum_HwNm_M_f32 = Limit_m(TmpTrqSum_HwNm_T_f32, -k_T1vsT2TrqSum_HwNm_f32,
k_T1vsT2TrqSum_HwNm_f32)=TRUE
CorrDiagFiltOut_HwNm_T_f32 = Limit_m(DigHwTrqSENT_CMCFiltOut_HwNm_M_f32, -k_CMCLPFOutLim_HwNm_f32,
k_CMCLPFOutLim_HwNm_f32)=TRUE
if((AbsSSFiltOut_HwNm_T_f32 >= k_T1T2SSLim_HwNm_f32)
 || (AbsSumFiltOut_HwNm_T_f32 >= k_T1T2TransFltLim_HwNm_f32))=TRUE
  if (((T1vsT2Status_Cnt_T_u08 & D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) == D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ||
   ((TrqSensorNotTrimmedStatus_Cnt_T_u08 & D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ==
D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ||
   ((PriSnsrTrqStorStatus_Cnt_T_u08& D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ==
D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08))=TRUE"
TC1.2"Longest Execution Path=> DigHwTrqSENT_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
if((AbsSSFiltOut_HwNm_T_f32 >= k_T1T2SSLim_HwNm_f32)
 || (AbsSumFiltOut_HwNm_T_f32 >= k_T1T2TransFltLim_HwNm_f32))=FALSE
  if ((((T1vsT2Status_Cnt_T_u08 & D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) == D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ||
   ((TrqSensorNotTrimmedStatus_Cnt_T_u08 & D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ==
D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ||
   ((PriSnsrTrqStorStatus_Cnt_T_u08& D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08) ==
D_FAILEDANDFAILEDTHISOPCYCLE_CNT_U08))=FALSE"

Test Step 1.1 (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_T1T2TransFltLim_HwNm_f32	2.45280004
k_T1vsT2TrqSum_HwNm_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

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 lg	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	✔

Test Step Call Trace ✔

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_T1T2TransFltLim_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

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_lg	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	-1.01761389	-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_lgc.value	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-9.39120007	-9.39120007 ± 0.0024414	✔

Test Step Call Trace				✔
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 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_T1T2TransFltLim_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||
  ((PriSnsrTrqStorStatus_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_T1T2TransFltLim_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 ||
  ((PriSnsrTrqStorStatus_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_T1T2TransFltLim_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 ||
  ((PriSnsrTrqStorStatus_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)||
  ((PriSnsrTrqStorStatus_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_T1T2TransFltLim_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

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	✔

Test Step Call Trace ✔

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_T1T2TransFltLim_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

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_lc	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	8.77799034	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_lgc.value	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-5.67600012	-5.67600012 ± 0.0024414	✔

Test Step Call Trace				✔
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_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_T1T2TransFltLim_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

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_lc	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	✔

Test Step Call Trace				✔
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_T1T2TransFltLim_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

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_lg	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	✔

Test Step Call Trace ✔

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_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
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

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_lc	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	-3.48013163	-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_lgc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-1.54799998	-1.54799998 ± 0.0024414	✓

Test Step Call Trace				✓
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_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_T1T2TransFltLim_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

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_lg	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	✔

Test Step Call Trace ✔

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 2.7 (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_T1T2TransFltLim_HwNm_f32	2.45280004
k_T1vsT2TrqSum_HwNm_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

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_lg	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	✔

Test Step Call Trace				✔
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 Case 3: Boundary Test

Test Case 3: Boundary Test

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
```

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_T1T2TransFltLim_HwNm_f32 = Min
TC3.44k_T1T2TransFltLim_HwNm_f32 = Max
TC3.45k_T1T2TransFltLim_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_T1T2TransFltLim_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

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_lg	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	✔

Test Step Call Trace				✔
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_T1T2TransFltLim_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

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	✓

Test Step Call Trace   ✓

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_SSDiagFiltOut_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_T1T2TransFltLim_HwNm_f32	0.105599999
k_T1vsT2TrqSum_HwNm_f32	5.19999981
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055

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_lg	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	-1.36935866	-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_lgc.value	0	0	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	0.103200004	0.103200004 ± 0.0024414	✔

Test Step Call Trace ✔

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_T1T2TransFltLim_HwNm_f32	0.236000001
k_T1vsT2TrqSum_HwNm_f32	5.80000019
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591

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 lc	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	✓

Test Step Call Trace ✓

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_T1T2TransFltLim_HwNm_f32	0.366400003
k_T1vsT2TrqSum_HwNm_f32	6.4000001

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_lg	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	✔

Test Step Call Trace ✔

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_T1T2TransFltLim_HwNm_f32	0.496800005

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_lg	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	-0.457391739	-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_lgc.value	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-0.72240001	-0.72240001 ± 0.0024414	✔

Test Step Call Trace ✔

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_SSDiagFiltOut_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

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_lg	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	2.09325695	2.09325671 ± 0.000976	✔
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0654283166	0.0654283315 ± 0.00000009	✔
DigHwTrqSENT_TDiagFiltOut_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	✔

Test Step Call Trace				✔
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_SSDiagFiltOut_HwNm_M_f32	-3.04500008	
DigHwTrqSENT_T1_HwNm_M_f32	0.898000002	
DigHwTrqSENT_T2_HwNm_M_f32	-10	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.04500008	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.160600007	
DigHwTrqSENT_TDiagFiltOut_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	

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_lg	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	-3.19374347	-3.19374323 ± 0.000976	✔
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0987671614	0.0987671539 ± 0.00000009	✔
DigHwTrqSENT_TDiagFiltOut_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	✔

Test Step Call Trace				✔
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_TDiagFiltKSV_M_str.SV_Uls_f32	3.60100007	
DigHwTrqSENT_TDiagFiltKSV_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	

DigHwTrqSENT_Per2

Name	Input Value
k_CMCLPFOutLim_HwNm_f32	1.46899998
k_T1T2SSLim_HwNm_f32	1.12600005
k_T1T2TransFltLim_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_lc	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	✔

Test Step Call Trace				✔
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

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_lg	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	-3.48013163	-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_lgc.value	0	0	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-1.54799998	-1.54799998 ± 0.0024414	✔

Test Step Call Trace ✔

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_SSDiagFiltOut_HwNm_M_f32	4.71299982
DigHwTrqSENT_T1_HwNm_M_f32	0.667999983
DigHwTrqSENT_T2_HwNm_M_f32	8.05000019
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	4.71299982
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.194800004
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	1.61670005

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_lg	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	4.64825296	4.64825296 ± 0.000976	✔
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.182900667	0.182900652 ± 0.0000009	✔
DigHwTrqSENT_TDiagFiltOut_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_lgc.value	0	0	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	1.75440001	1.75440001 ± 0.0024414	✔

Test Step Call Trace				✔
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_TDiagFiltKSV_M_str.SV_Uls_f32	-5.26900005
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.206200004

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_T1T2TransFltLim_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 lg	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	✔

Test Step Call Trace ✔

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

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_T1T2TransFltLim_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 lg	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	✔

Test Step Call Trace ✔

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

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	2.58999999
k_T1T2SSLim_HwNm_f32	1.97800004
k_T1T2TransFltLim_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_lg	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	✔

Test Step Call Trace ✔

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

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_T1T2TransFltLim_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_lg	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	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_lgc.value	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	2.57999992	2.57999992 ± 0.0024414	✔

Test Step Call Trace				✔
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	

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_T1T2TransFltLim_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_lg	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	-7.11327982	-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_lgc.value	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-2.78640008	-2.78640008 ± 0.0024414	✓

Test Step Call Trace ✓

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

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_T1T2TransFltLim_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_lc	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	7.21657085	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_lgc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	2.9928	2.9928 ± 0.0024414	✓

Test Step Call Trace ✓

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

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_T1T2TransFltLim_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	✔

Test Step Call Trace   ✔

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 3.19 (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_T1T2TransFltLim_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_lg	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_SetNTCStatus(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	✔

Test Step Call Trace ✔

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 3.20 (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_T1T2TransFltLim_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	✔

Test Step Call Trace ✔

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 3.21 (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_T1T2TransFltLim_HwNm_f32	2.45280004
k_T1vsT2TrqSum_HwNm_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_lc	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	✔

Test Step Call Trace

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 3.22 (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_T1T2TransFltLim_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	✔

Test Step Call Trace ✔

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 3.23 (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_T1T2TransFltLim_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_lg	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_SetNTCStatus(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	✔

Test Step Call Trace ✔

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 3.24 (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_T1T2TransFltLim_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_lg	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_SetNTCStatus(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	✔

Test Step Call Trace ✔

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 3.25 (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	0.354000009
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_T1T2TransFltLim_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_lg	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	✔

Test Step Call Trace ✔

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 3.26 (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_T1T2TransFltLim_HwNm_f32	3.10479999
k_T1vsT2TrqSum_HwNm_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_lg	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	✔

Test Step Call Trace ✔

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 3.27 (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_T1T2TransFltLim_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_lg	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	✔

Test Step Call Trace ✔

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 3.28 (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_T1T2TransFltLim_HwNm_f32	3.36560011
k_T1vsT2TrqSum_HwNm_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	✔

Test Step Call Trace ✔

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 3.29 (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_T1T2TransFltLim_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	✔

Test Step Call Trace ✔

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 3.30 (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_T1T2TransFltLim_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_lc	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_SetNTCStatus(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	✔

Test Step Call Trace

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 3.31 (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_T1T2TransFltLim_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
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_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	✔

Test Step Call Trace ✔

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 3.32 (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_T1T2TransFltLim_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_SetNTCStatus(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	✔

Test Step Call Trace ✔

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 3.33 (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_T1T2TransFltLim_HwNm_f32	4.01760006
k_T1vsT2TrqSum_HwNm_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_lg	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_SetNTCStatus(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	✔

Test Step Call Trace ✔

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 3.34 (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_T1T2TransFltLim_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_lg	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_SetNTCStatus(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	✓

Test Step Call Trace ✓

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 3.35 (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_T1T2TransFltLim_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_lc	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	✔

Test Step Call Trace ✔

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 3.36 (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_T1T2TransFltLim_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_lg	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	✔

Test Step Call Trace ✔

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 3.37 (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_T1T2TransFltLim_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_SetNTCStatus(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	✔

Test Step Call Trace ✔

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 3.38 (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_T1T2TransFltLim_HwNm_f32	4.66960001
k_T1vsT2TrqSum_HwNm_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_lc	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	✔

Test Step Call Trace ✔

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 3.39 (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	0.0480000004
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_T1T2TransFltLim_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_Ic	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	-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_SetNTCStatus(Status_Cnt_T_enum)	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc.value	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	7.53359985	7.53359985 ± 0.0024414	✔

Test Step Call Trace ✔

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 3.40 (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_T1T2TransFltLim_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_lg	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_SetNTCStatus(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	✔

Test Step Call Trace

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 3.41 (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_T1T2TransFltLim_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_lg	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	✔

Test Step Call Trace ✔

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 3.42 (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_T1T2TransFltLim_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_lg	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_SetNTCStatus(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	✔

Test Step Call Trace ✔

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 3.43 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	12.1071997
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.35919952
DigHwTrqSENT_SSDiagFiltOut_HwNm_M_f32	3.60100007
DigHwTrqSENT_T1_HwNm_M_f32	-3.61109996
DigHwTrqSENT_T2_HwNm_M_f32	1.70799994
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-18.6130009
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.1237
DigHwTrqSENT_TDiagFiltOut_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_lg	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	-17.7554283	-17.7554283 ± 0.000976	✔
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.048556149	0.0485561527 ± 0.00000009	✔
DigHwTrqSENT_TDiagFiltOut_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_SetNTCStatus(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	✔

Test Step Call Trace ✔

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 3.44 (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_T1T2TransFltLim_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_lg	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_SetNTCStatus(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	✔

Test Step Call Trace

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 3.45 (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_T1T2TransFltLim_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_lc	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_SetNTCStatus(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	✔

Test Step Call Trace ✔

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 3.46 (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_T1T2TransFltLim_HwNm_f32	5.06080008
k_T1vsT2TrqSum_HwNm_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_lg	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_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	✔

Test Step Call Trace ✔

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 3.47 (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_T1T2TransFltLim_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_lg	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_SetNTCStatus(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	✔

Test Step Call Trace ✔

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 3.48 (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_T1T2TransFltLim_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_lg	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	✔

Test Step Call Trace ✔

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 3.49 (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_T1T2TransFltLim_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_lg	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_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	✔

Test Step Call Trace

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 3.50 (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_T1T2TransFltLim_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_lg	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_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	✔

Test Step Call Trace ✔

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 3.51 (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_T1T2TransFltLim_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_lg	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	✔

Test Step Call Trace ✔

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 3.52 (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_T1T2TransFltLim_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_lc	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	✔

Test Step Call Trace ✔

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 3.53 (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_T1T2TransFltLim_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_lg	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	✔

Test Step Call Trace ✔

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 3.54 (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_T1T2TransFltLim_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_lg	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_SetNTCStatus(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	✔

Test Step Call Trace ✔

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 3.55 (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_T1T2TransFltLim_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_lg	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_SetNTCStatus(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	✔

Test Step Call Trace ✔

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 3.56 (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_T1T2TransFltLim_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_lc	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	✔

Test Step Call Trace ✔

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 3.57 (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_T1T2TransFltLim_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_lc	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	✔

Test Step Call Trace ✔

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 3.58 (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_T1T2TransFltLim_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_lg	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	-9.39120007	-9.39120007 ± 0.0024414	✔

Test Step Call Trace ✔

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 3.59 (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_T1T2TransFltLim_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_lg	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	✔

Test Step Call Trace ✔

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 3.60 (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_T1T2TransFltLim_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_lg	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	✔

Test Step Call Trace ✔

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 3.61 (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_T1T2TransFltLim_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_lc	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	-9.39120007	-9.39120007 ± 0.0024414	✔

Test Step Call Trace				✔
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 3.62 (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_T1T2TransFltLim_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_lg	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	✔

Test Step Call Trace ✔

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 3.63 (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_T1T2TransFltLim_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_lg	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	-9.39120007	-9.39120007 ± 0.0024414	✔

Test Step Call Trace ✔

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 3.64 (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_T1T2TransFltLim_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_lg	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)	0	0	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✔
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-8.97840023	-8.97840023 ± 0.0024414	✔

Test Step Call Trace ✔

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 3.65 (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_T1T2TransFltLim_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_lg	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	✔

Test Step Call Trace ✔

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 3.66 (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_T1T2TransFltLim_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_lg	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	✔

Test Step Call Trace ✔

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	✔

Project	CBD_DigHwTrqSENT
Module	DigHwTrqSENT
Test Object	DigHwTrqSENT_Per1

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	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

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:

TC 1.1 843.00 Cycles
TC 1.2 844.00 Cycles
```

Description
Vector Desciption:

TC1.1"Shortest Execution path:
DigHwTrqSENT_HwTrq_HwNm_M_f32 = Limit_m(DigHwTrq_HwNm_T_f32, -D_HWTRQMAXRANGE_HWNM_F32, D_HWTRQMAXRANGE_HWNM_F32)=TRUE"
TC1.2"Longest Execution Path:
DigHwTrqSENT_HwTrq_HwNm_M_f32 = Limit_m(DigHwTrq_HwNm_T_f32, -D_HWTRQMAXRANGE_HWNM_F32, D_HWTRQMAXRANGE_HWNM_F32)=FALSE"

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	20
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0
DigHwTrqSENT_HwTrq_HwNm_M_f32	1
DigHwTrqSENT_T1_HwNm_M_f32	7.47200012
DigHwTrqSENT_T2_HwNm_M_f32	5.33599997
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	-5
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	-10
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-10
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	20	20 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	10	10 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-5	-5 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-10	-10 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	10	10 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	10	10 ± 0.0024414	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 1.2 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	2
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.108723
DigHwTrqSENT_HwTrq_HwNm_M_f32	-0.160999998
DigHwTrqSENT_T1_HwNm_M_f32	5.08699989
DigHwTrqSENT_T2_HwNm_M_f32	4.09800005
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	-10
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	8.09700012
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	3.08780003
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0.463059068	0.463059068 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	0.463059068	0.463059068 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-10	-10 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	8.09700012	8.09700012 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	0.463059068	0.463059068 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	0.463059068	0.463059068 ± 0.0024414	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔	
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔	

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

Vector Description:

TC2.1 All Min
TC2.2 All Max
TC2.3 T1_HwNm_f32 = Min
TC2.4 T1_HwNm_f32 = Max
TC2.5 T1_HwNm_f32 = Zero
TC2.6 T1_HwNm_f32 = Pos
TC2.7 T1_HwNm_f32 = Neg
TC2.8 T2_HwNm_f32 =Min
TC2.9 T2_HwNm_f32 = Max
TC2.10 T2_HwNm_f32 = Zero
TC2.11 T2_HwNm_f32 = Pos
TC2.12 T2_HwNm_f32 = Neg
TC2.13 DigHwTrqSENT_T1_HwNm_M_f32= Min
TC2.14 DigHwTrqSENT_T1_HwNm_M_f32= Max
TC2.15 DigHwTrqSENT_T1_HwNm_M_f32 = Zero
TC2.16 DigHwTrqSENT_T1_HwNm_M_f32= Pos
TC2.17 DigHwTrqSENT_T1_HwNm_M_f32 = Neg
TC2.18 DigHwTrqSENT_T2_HwNm_M_f32 = Min
TC2.19 DigHwTrqSENT_T2_HwNm_M_f32 = Max
TC2.20 DigHwTrqSENT_T2_HwNm_M_f32= Zero
TC2.21 DigHwTrqSENT_T2_HwNm_M_f32 = Pos
TC2.22 DigHwTrqSENT_T2_HwNm_M_f32 = Neg
TC2.23 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32 = Min
TC2.24 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32 = Max
TC2.25 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32 = Zero
TC2.26 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32 = Pos
TC2.27 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32 = Neg
TC2.28 DigHwTrqSENT_DigHwTrqKSV_M_str.SV = Min
TC2.29 DigHwTrqSENT_DigHwTrqKSV_M_str.SV = Max
TC2.30 DigHwTrqSENT_DigHwTrqKSV_M_str.SV= Zero
TC2.31 DigHwTrqSENT_DigHwTrqKSV_M_str.SV = Pos
TC2.32 DigHwTrqSENT_DigHwTrqKSV_M_str.SV= Neg
TC2.33 DigHwTrqSENT_DigHwTrqKSV_M_str.K = Min
TC2.34 DigHwTrqSENT_DigHwTrqKSV_M_str.K = Max
TC2.35 DigHwTrqSENT_DigHwTrqKSV_M_str.K= Pos
TC2.36 DigHwTrqSENT_HwTrq_HwNm_M_f32 = Min
TC2.37 DigHwTrqSENT_HwTrq_HwNm_M_f32= Max
TC2.38 DigHwTrqSENT_HwTrq_HwNm_M_f32 = Zero
TC2.39 DigHwTrqSENT_HwTrq_HwNm_M_f32 = Pos
TC2.40 DigHwTrqSENT_HwTrq_HwNm_M_f32 = Neg

Test Step 2.1 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-20
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0
DigHwTrqSENT_HwTrq_HwNm_M_f32	-10
DigHwTrqSENT_T1_HwNm_M_f32	-10
DigHwTrqSENT_T2_HwNm_M_f32	-10

Name	Input Value
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	-10
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	-10
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-10
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-20	-20 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-10	-10 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-10	-10 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-10	-10 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-10	-10 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-10	-10 ± 0.0024414	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.2 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	20
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.998132586
DigHwTrqSENT_HwTrq_HwNm_M_f32	10
DigHwTrqSENT_T1_HwNm_M_f32	10
DigHwTrqSENT_T2_HwNm_M_f32	10
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	10
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	10
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	10
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-9.94397736	-9.9439764 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-9.94397736	-9.9439764 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	10	10 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	10	10 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-9.94397736	-9.9439764 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-9.94397736	-9.9439764 ± 0.0024414	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.3 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	2
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.108723
DigHwTrqSENT_HwTrq_HwNm_M_f32	-0.160999998
DigHwTrqSENT_T1_HwNm_M_f32	5.08699989
DigHwTrqSENT_T2_HwNm_M_f32	4.09800005
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	-10
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	8.09700012
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	3.08780003
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32

Name	Input Value		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0.463059068	0.463059068 ± 0.00048828125	✓
DigHwTrqSENT_HwTrq_HwNm_M_f32	0.463059068	0.463059068 ± 0.0048828125	✓
DigHwTrqSENT_T1_HwNm_M_f32	-10	-10 ± 0.00048828125	✓
DigHwTrqSENT_T2_HwNm_M_f32	8.09700012	8.09700012 ± 0.00048828125	✓
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	0.463059068	0.463059068 ± 0.0024414	✓
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	0.463059068	0.463059068 ± 0.0024414	✓

Test Step Call Trace			✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✓
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✓

Test Step 2.4 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-2
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.13865
DigHwTrqSENT_HwTrq_HwNm_M_f32	0.617999971
DigHwTrqSENT_T1_HwNm_M_f32	5.56400013
DigHwTrqSENT_T2_HwNm_M_f32	4.34560013
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	10
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	8.2869997
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	3.35669994
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-2.06935263	-2.06935263 ± 0.00048828125	✓
DigHwTrqSENT_HwTrq_HwNm_M_f32	-2.06935263	-2.06935263 ± 0.0048828125	✓
DigHwTrqSENT_T1_HwNm_M_f32	10	10 ± 0.00048828125	✓
DigHwTrqSENT_T2_HwNm_M_f32	8.2869997	8.2869997 ± 0.00048828125	✓
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-2.06935263	-2.06935263 ± 0.0024414	✓
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-2.06935263	-2.06935263 ± 0.0024414	✓

Test Step Call Trace			✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✓
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✓

Test Step 2.5 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	7
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.168577
DigHwTrqSENT_HwTrq_HwNm_M_f32	-1.07500005
DigHwTrqSENT_T1_HwNm_M_f32	6.04099989
DigHwTrqSENT_T2_HwNm_M_f32	-1.5
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	0
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	8.47700024
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-3
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	5.6111784	5.6111784 ± 0.00048828125	✓
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.6111784	5.6111784 ± 0.0048828125	✓

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_T1_HwNm_M_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	8.47700024	8.47700024 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	5.6111784	5.6111784 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	5.6111784	5.6111784 ± 0.0024414	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔	
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.6 (Repeat Count = 1)   ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-7
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.198504001
DigHwTrqSENT_HwTrq_HwNm_M_f32	1.53199995
DigHwTrqSENT_T1_HwNm_M_f32	6.51800013
DigHwTrqSENT_T2_HwNm_M_f32	4.84079981
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	5.23000002
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	-5.80000019
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	3.89450002
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-5.28879642	-5.28879642 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-5.28879642	-5.28879642 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	5.23000002	5.23000002 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-5.80000019	-5.80000019 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-5.28879642	-5.28879642 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-5.28879642	-5.28879642 ± 0.0024414	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔	
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.7 (Repeat Count = 1)   ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	8.27980042
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.228431001
DigHwTrqSENT_HwTrq_HwNm_M_f32	-1.98899996
DigHwTrqSENT_T1_HwNm_M_f32	-8.69999981
DigHwTrqSENT_T2_HwNm_M_f32	5.08839989
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	-5.44999981
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	8.85700035
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	4.16340017
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	3.80330658	3.80330634 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	3.80330658	3.80330634 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-5.44999981	-5.44999981 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	8.85700035	8.85700035 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	3.80330658	3.80330634 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	3.80330658	3.80330634 ± 0.0024414	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔	
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.8 (Repeat Count = 1)   ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	20
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0
DigHwTrqSENT_HwTrq_HwNm_M_f32	-5.51000023
DigHwTrqSENT_T1_HwNm_M_f32	7.47200012
DigHwTrqSENT_T2_HwNm_M_f32	5.33599997
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	-5
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	-10
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-10
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	20	20 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	10	10 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-5	-5 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-10	-10 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	10	10 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	10	10 ± 0.0024414	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔	
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.9 (Repeat Count = 1)   ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	8.90260029
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.288284987
DigHwTrqSENT_HwTrq_HwNm_M_f32	-9.03100014
DigHwTrqSENT_T1_HwNm_M_f32	-8.80000019
DigHwTrqSENT_T2_HwNm_M_f32	-4.5
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	1.87600005
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	10
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	4.70120001
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	3.80981541	3.80981493 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	3.80981541	3.80981493 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	1.87600005	1.87600005 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	10	10 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	3.80981541	3.80981493 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	3.80981541	3.80981493 ± 0.0024414	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔	
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.10 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-12
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.318212003
DigHwTrqSENT_HwTrq_HwNm_M_f32	-0.160999998
DigHwTrqSENT_T1_HwNm_M_f32	8.42599964
DigHwTrqSENT_T2_HwNm_M_f32	5.83120012
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	2.51550007
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	0
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	4.97009993
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-9.36277008	-9.36277008 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-9.36277008	-9.36277008 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	2.51550007	2.51550007 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	0	0 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-9.36277008	-9.36277008 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-9.36277008	-9.36277008 ± 0.0024414	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.11 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	12
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.348138988
DigHwTrqSENT_HwTrq_HwNm_M_f32	-0.617999971
DigHwTrqSENT_T1_HwNm_M_f32	8.90299988
DigHwTrqSENT_T2_HwNm_M_f32	6.0788002
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	3.15499997
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	3.23000002
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	5.23899984
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	5.98537636	5.98537636 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.98537636	5.98537636 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	3.15499997	3.15499997 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	3.23000002	3.23000002 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	5.98537636	5.98537636 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	5.98537636	5.98537636 ± 0.0024414	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.12 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	9.83679962
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.378066003

Name	Input Value
DigHwTrqSENT_HwTrq_HwNm_M_f32	-1.07500005
DigHwTrqSENT_T1_HwNm_M_f32	9.38000011
DigHwTrqSENT_T2_HwNm_M_f32	6.3263998
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	3.79450011
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	-3.48000002
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	5.50790024
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	5.41061068	5.41061115 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.41061068	5.41061115 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	3.79450011	3.79450011 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-3.48000002	-3.48000002 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	5.41061068	5.41061115 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	5.41061068	5.41061115 ± 0.0024414	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔	
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.13 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	18
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.407992989
DigHwTrqSENT_HwTrq_HwNm_M_f32	0.753000021
DigHwTrqSENT_T1_HwNm_M_f32	-10
DigHwTrqSENT_T2_HwNm_M_f32	-8.60000038
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	4.43400002
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	1.09870005
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	5.77680016
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	8.97962189	8.97962189 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.97962189	8.97962189 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	4.43400002	4.43400002 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	1.09870005	1.09870005 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	8.97962189	8.97962189 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	8.97962189	8.97962189 ± 0.0024414	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔	
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.14 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-18
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.437920004
DigHwTrqSENT_HwTrq_HwNm_M_f32	0.296000004
DigHwTrqSENT_T1_HwNm_M_f32	10
DigHwTrqSENT_T2_HwNm_M_f32	6.82159996
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	5.07350016
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	1.45599997

Name	Input Value		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	6.04570007		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-11.9728851	-11.9728851 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-10	-10 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	5.07350016	5.07350016 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	1.45599997	1.45599997 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-10	-10 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-10	-10 ± 0.0024414	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.15 (Repeat Count = 1)   ✔

Name	Input Value		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	19		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.46784699		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-0.160999998		
DigHwTrqSENT_T1_HwNm_M_f32	0		
DigHwTrqSENT_T2_HwNm_M_f32	7.06920004		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	5.71299982		
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	1.81330001		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	6.31459999		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	8.06887245	8.0688715 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.06887245	8.0688715 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	5.71299982	5.71299982 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	1.81330001	1.81330001 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	8.06887245	8.0688715 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	8.06887245	8.0688715 ± 0.0024414	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.16 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-19
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.497774005
DigHwTrqSENT_HwTrq_HwNm_M_f32	0.617999971
DigHwTrqSENT_T1_HwNm_M_f32	7.28000021
DigHwTrqSENT_T2_HwNm_M_f32	-8.5
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	6.35249996
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	2.17059994
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-8.5
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-4.27039433	-4.27039433 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-4.27039433	-4.27039433 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	6.35249996	6.35249996 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	2.17059994	2.17059994 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-4.27039433	-4.27039433 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-4.27039433	-4.27039433 ± 0.0024414	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.17 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	11
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.52770102
DigHwTrqSENT_HwTrq_HwNm_M_f32	-1.07500005
DigHwTrqSENT_T1_HwNm_M_f32	-7.51999998
DigHwTrqSENT_T2_HwNm_M_f32	7.5644002
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	-1.10000002
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	2.52789998
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	6.85239983
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0.622047424	0.622047424 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	0.622047424	0.622047424 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-1.10000002	-1.10000002 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	2.52789998	2.52789998 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	0.622047424	0.622047424 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	0.622047424	0.622047424 ± 0.0024414	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.18 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-11
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.557627976
DigHwTrqSENT_HwTrq_HwNm_M_f32	1.53199995
DigHwTrqSENT_T1_HwNm_M_f32	2.09870005

Name	Input Value
DigHwTrqSENT_T2_HwNm_M_f32	-10
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	-2.0999999
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	2.88520002
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	7.12130022
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-10.2270718	-10.2270718 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-10	-10 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-2.0999999	-2.0999999 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	2.88520002	2.88520002 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-10	-10 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-10	-10 ± 0.0024414	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.19 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	9
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.587554991
DigHwTrqSENT_HwTrq_HwNm_M_f32	-1.98899996
DigHwTrqSENT_T1_HwNm_M_f32	2.34500003
DigHwTrqSENT_T2_HwNm_M_f32	10
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	-3.0999999
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	-2.5
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-5.5
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	6.76729107	6.76729107 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	6.76729107	6.76729107 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-3.0999999	-3.0999999 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-2.5	-2.5 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	6.76729107	6.76729107 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	6.76729107	6.76729107 ± 0.0024414	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.20 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-9
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.617482007
DigHwTrqSENT_HwTrq_HwNm_M_f32	2.4460001
DigHwTrqSENT_T1_HwNm_M_f32	2.59130001
DigHwTrqSENT_T2_HwNm_M_f32	0
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	-4.0999999
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	-0.449999988
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-2
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32

Name	Input Value
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-3.33460236	-3.33460259 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-3.33460236	-3.33460259 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-4.0999999	-4.0999999 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-0.449999988	-0.449999988 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-3.33460236	-3.33460259 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-3.33460236	-3.33460259 ± 0.0024414	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.21 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	5
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.647409022
DigHwTrqSENT_HwTrq_HwNm_M_f32	-2.90300012
DigHwTrqSENT_T1_HwNm_M_f32	2.83759999
DigHwTrqSENT_T2_HwNm_M_f32	6.25
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	-5.0999999
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	3.95709991
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	7.92799997
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-6.30152798	-6.3015275 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-6.30152798	-6.3015275 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-5.0999999	-5.0999999 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	3.95709991	3.95709991 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-6.30152798	-6.3015275 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-6.30152798	-6.3015275 ± 0.0024414	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.22 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-5
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.677335978
DigHwTrqSENT_HwTrq_HwNm_M_f32	3.3599999
DigHwTrqSENT_T1_HwNm_M_f32	3.08389997
DigHwTrqSENT_T2_HwNm_M_f32	-6.42000008
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	-6.0999999
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	4.3144002
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	8.19690037
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-10.6924	-10.692399 ± 0.00048828125	✔

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_HwTrq_HwNm_M_f32	-10	-10 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-6.0999999	-6.0999999 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	4.3144002	4.3144002 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-10	-10 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-10	-10 ± 0.0024414	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.23 (Repeat Count = 1)		✔
Name	**Input Value**	
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	17	
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.707262993	
DigHwTrqSENT_HwTrq_HwNm_M_f32	-3.81699991	
DigHwTrqSENT_T1_HwNm_M_f32	3.33019996	
DigHwTrqSENT_T2_HwNm_M_f32	4.09800005	
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT	
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	-7.0999999	
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	4.6717	
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-10	
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32	
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32	
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32	
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim	

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	7.88631535	7.88631487 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	7.88631535	7.88631487 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-7.0999999	-7.0999999 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	4.6717	4.6717 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	7.88631535	7.88631487 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	7.88631535	7.88631487 ± 0.0024414	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.24 (Repeat Count = 1)		✔
Name	**Input Value**	
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	13	
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.737190008	
DigHwTrqSENT_HwTrq_HwNm_M_f32	4.27400017	
DigHwTrqSENT_T1_HwNm_M_f32	3.57649994	
DigHwTrqSENT_T2_HwNm_M_f32	4.45669985	
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT	
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	-8.10000038	
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	5.02899981	
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	10	
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32	
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32	
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32	
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim	

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-8.79465294	-8.79465389 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.79465294	-8.79465389 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-8.10000038	-8.10000038 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	5.02899981	5.02899981 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-8.79465294	-8.79465389 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-8.79465294	-8.79465389 ± 0.0024414	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.25 (Repeat Count = 1)			✔
Name	**Input Value**		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	3.47000003		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.767117023		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-4.73099995		
DigHwTrqSENT_T1_HwNm_M_f32	-6.80000019		
DigHwTrqSENT_T2_HwNm_M_f32	-7.5		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	-9.10000038		
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	-4.5		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	**Actual Value**	**Expected Value**	**Result**
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-0.956265688	-0.956265092 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-0.956265688	-0.956265092 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-9.10000038	-9.10000038 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-4.5	-4.5 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-0.956265688	-0.956265092 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-0.956265688	-0.956265092 ± 0.0024414	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.26 (Repeat Count = 1)			✔
Name	**Input Value**		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	15		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.797043979		
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.1880002		
DigHwTrqSENT_T1_HwNm_M_f32	-7.80000019		
DigHwTrqSENT_T2_HwNm_M_f32	5.17409992		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	1.99720001		
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	-5.19999981		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	4.42000008		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	**Actual Value**	**Expected Value**	**Result**
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	2.38964844	2.38964796 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	2.38964844	2.38964796 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	1.99720001	1.99720001 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-5.19999981	-5.19999981 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	2.38964844	2.38964796 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	2.38964844	2.38964796 ± 0.0024414	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.27 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	3.83200002
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.826970994
DigHwTrqSENT_HwTrq_HwNm_M_f32	-5.64499998
DigHwTrqSENT_T1_HwNm_M_f32	-8.80000019
DigHwTrqSENT_T2_HwNm_M_f32	5.5328002
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	2.21460009
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	-5.9000001
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-4.55999994
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	7.78930473	7.78930426 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	7.78930473	7.78930426 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	2.21460009	2.21460009 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-5.9000001	-5.9000001 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	7.78930473	7.78930426 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	7.78930473	7.78930426 ± 0.0024414	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.28 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-20
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.85689801
DigHwTrqSENT_HwTrq_HwNm_M_f32	6.10200024
DigHwTrqSENT_T1_HwNm_M_f32	-9.80000019
DigHwTrqSENT_T2_HwNm_M_f32	-2.5
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	2.43199992
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	-6.5999999
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	6.09399986
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-4.21422386	-4.21422482 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-4.21422386	-4.21422482 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	2.43199992	2.43199992 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-6.5999999	-6.5999999 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-4.21422386	-4.21422482 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-4.21422386	-4.21422482 ± 0.0024414	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.29 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	20
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.886825025

Name	Input Value
DigHwTrqSENT_HwTrq_HwNm_M_f32	-6.55900002
DigHwTrqSENT_T1_HwNm_M_f32	4.80800009
DigHwTrqSENT_T2_HwNm_M_f32	6.25019979
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	-5.5
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	-7.30000019
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	6.59800005
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-2.78962898	-2.78962874 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-2.78962898	-2.78962874 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-5.5	-5.5 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-7.30000019	-7.30000019 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-2.78962898	-2.78962874 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-2.78962898	-2.78962874 ± 0.0024414	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.30 (Repeat Count = 1)		✔
Name	**Input Value**	
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.916751981	
DigHwTrqSENT_HwTrq_HwNm_M_f32	7.01599979	
DigHwTrqSENT_T1_HwNm_M_f32	5.05429983	
DigHwTrqSENT_T2_HwNm_M_f32	6.60890007	
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT	
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	2.86680007	
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	-8	
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	7.10200024	
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32	
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32	
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32	
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim	

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-1.52969241	-1.52969241 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-1.52969241	-1.52969241 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	2.86680007	2.86680007 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-8	-8 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-1.52969241	-1.52969241 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-1.52969241	-1.52969241 ± 0.0024414	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.31 (Repeat Count = 1)		✔
Name	**Input Value**	
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	10.5200005	
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.946678996	
DigHwTrqSENT_HwTrq_HwNm_M_f32	-7.47300005	
DigHwTrqSENT_T1_HwNm_M_f32	5.30060005	
DigHwTrqSENT_T2_HwNm_M_f32	6.96759987	
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT	
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	3.08419991	
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	-8.69999981	

Name	Input Value
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	7.60599995
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-1.06157589	-1.06157625 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-1.06157589	-1.06157625 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	3.08419991	3.08419991 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-8.69999981	-8.69999981 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-1.06157589	-1.06157625 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-1.06157589	-1.06157625 ± 0.0024414	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.32 (Repeat Count = 1)		✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-10.1199999
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.916751981
DigHwTrqSENT_HwTrq_HwNm_M_f32	7.92999983
DigHwTrqSENT_T1_HwNm_M_f32	5.5468998
DigHwTrqSENT_T2_HwNm_M_f32	-3.5999999
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	3.30159998
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	-9.39999962
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-8.5
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	12.7720289	12.7720308 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	10	10 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	3.30159998	3.30159998 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-9.39999962	-9.39999962 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	10	10 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	10	10 ± 0.0024414	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.33 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	9
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.38700008
DigHwTrqSENT_T1_HwNm_M_f32	-5.9000001
DigHwTrqSENT_T2_HwNm_M_f32	7.68499994
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	-8.5
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	8.24470043
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	8.61400032
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	9	9 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	9	9 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-8.5	-8.5 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	8.24470043	8.24470043 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	9	9 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	9	9 ± 0.0024414	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.34 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-13
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.998132586
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.84399986
DigHwTrqSENT_T1_HwNm_M_f32	6.03950024
DigHwTrqSENT_T2_HwNm_M_f32	8.04370022
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	3.73639989
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	8.60200024
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-1
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-1.45440102	-1.45440114 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-1.45440102	-1.45440114 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	3.73639989	3.73639989 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	8.60200024	8.60200024 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-1.45440102	-1.45440114 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-1.45440102	-1.45440114 ± 0.0024414	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.35 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-17
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.683749974
DigHwTrqSENT_HwTrq_HwNm_M_f32	-9.30099964
DigHwTrqSENT_T1_HwNm_M_f32	6.28579998

Name	Input Value
DigHwTrqSENT_T2_HwNm_M_f32	8.40240002
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	3.95379996
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	8.95930004
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	9.62199974
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-13.6665478	-13.6665478 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-10	-10 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	3.95379996	3.95379996 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	8.95930004	8.95930004 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-10	-10 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-10	-10 ± 0.0024414	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.36 (Repeat Count = 1)   ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-19
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.497774005
DigHwTrqSENT_HwTrq_HwNm_M_f32	-10
DigHwTrqSENT_T1_HwNm_M_f32	6.5321002
DigHwTrqSENT_T2_HwNm_M_f32	-8.5
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	4.1711998
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	9.31659985
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-8.5
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-6.59183788	-6.59183836 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-6.59183788	-6.59183836 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	4.1711998	4.1711998 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	9.31659985	9.31659985 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-6.59183788	-6.59183836 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-6.59183788	-6.59183836 ± 0.0024414	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.37 (Repeat Count = 1)   ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	11
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.52770102
DigHwTrqSENT_HwTrq_HwNm_M_f32	10
DigHwTrqSENT_T1_HwNm_M_f32	6.77839994
DigHwTrqSENT_T2_HwNm_M_f32	7.5644002
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	4.38859987
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	9.67389965
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	6.85239983
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32

Name	Input Value
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0.184741974	0.184741616 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	0.184741974	0.184741616 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	4.38859987	4.38859987 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	9.67389965	9.67389965 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	0.184741974	0.184741616 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	0.184741974	0.184741616 ± 0.0024414	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.38 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-11
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.557627976
DigHwTrqSENT_HwTrq_HwNm_M_f32	0
DigHwTrqSENT_T1_HwNm_M_f32	2.09870005
DigHwTrqSENT_T2_HwNm_M_f32	5.3499999
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	4.60599995
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	2.88520002
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	7.12130022
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-8.35734558	-8.35734558 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.35734558	-8.35734558 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	4.60599995	4.60599995 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	2.88520002	2.88520002 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-8.35734558	-8.35734558 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-8.35734558	-8.35734558 ± 0.0024414	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.39 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	9
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.587554991
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.5
DigHwTrqSENT_T1_HwNm_M_f32	2.34500003
DigHwTrqSENT_T2_HwNm_M_f32	9.64999962
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	4.82340002
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	-2.5
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-5.5
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	9.0950079	9.0950079 ± 0.00048828125	✔

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_HwTrq_HwNm_M_f32	9.0950079	9.0950079 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	4.82340002	4.82340002 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-2.5	-2.5 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	9.0950079	9.0950079 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	9.0950079	9.0950079 ± 0.0024414	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

Test Step 2.40 (Repeat Count = 1)		✔
Name	**Input Value**	
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-9	
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.617482007	
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.5	
DigHwTrqSENT_T1_HwNm_M_f32	2.59130001	
DigHwTrqSENT_T2_HwNm_M_f32	2.29999995	
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT	
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	5.04080009	
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	-0.449999988	
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-2	
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_HwTorque_HwNm_f32	tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f3	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32	
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T1_HwNm_f32	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32	
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per1_T2_HwNm_f32	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32	
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim	

Name	**Actual Value**	**Expected Value**	**Result**
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-0.51246357	-0.512462914 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-0.51246357	-0.512462914 ± 0.0048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	5.04080009	5.04080009 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-0.449999988	-0.449999988 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-0.51246357	-0.512462914 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-0.51246357	-0.512462914 ± 0.0024414	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection	2	✔
Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	Rte_Call_DigHwTrqSENT_Per1_CP1_CheckpointReached	1	✔

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

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 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	✔

Test Step Call Trace ✔

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

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	✔

Test Step Call Trace ✔

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

CPU Cycles:

TS2.1   8240.00 Cycles
TS2.2   8241.00 Cycles
```

Description   Vector Description:
```
TS2.1   (NVM_REQ_OK <> NvMBlkStatus_Cnt_T_u8) ==> TRUE
TS2.2   (NVM_REQ_OK <> NvMBlkStatus_Cnt_T_u8) ==> FALSE
```

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	✔

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	✔

Test Step Call Trace				✔
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	✔

Test Step Call Trace				✔
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

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	✔

Test Step Call Trace ✔

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 3.2 (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	✔

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

Test Step Call Trace				✔
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	✔

Test Step Call Trace				✔
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	

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_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	0.848392963	0.848392988 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x00	0x00	✔

Test Step Call Trace				✔
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 3.5 (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_SSFiltKSV_M_str.SV_Uls_f32	16	
DigHwTrqSENT_SSFiltKSV_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_SSFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_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	✔

Test Step Call Trace ✔

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 3.6 (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_CMCFiltOut_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	✔

Test Step Call Trace ✔

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 3.7 (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

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	✔

Test Step Call Trace				✔
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		✔

Test Step Call Trace				✔
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 3.9 (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	✔

Test Step Call Trace ✔

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 3.10 (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	✔

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

Test Step Call Trace				✔
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(Erro	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	✔

Test Step Call Trace				✔
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(Erro	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS

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_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	0.891851246	0.891851241 ± 0.0000009	✔
NTC	0x0C	0x0C	✔
Param	0x02	0x02	✔
Status	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x00	0x00	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStε	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_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	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_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	0x01	0x01	✔
NTC	0xFB	0xFB	✔
Param	0x01	0x01	✔
Status	0x00	0x00	✔

Test Step Call Trace					✔
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	✔

Test Step Call Trace					✔
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	

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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.17 (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	✔

Test Step Call Trace ✔

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 3.18 (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	✔

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

Test Step Call Trace				✔
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	✔

Test Step Call Trace				✔
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	

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	✔

Test Step Call Trace ✔

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 3.21 (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	✔

Test Step Call Trace ✔

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 3.22 (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	✔

Test Step Call Trace ✔

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 3.23 (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

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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.25 (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	✔

Test Step Call Trace ✔

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 3.26 (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	✔

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

Test Step Call Trace				✔
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	✔

Test Step Call Trace				✔
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	

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	✔

Test Step Call Trace				✔
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 3.29 (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	✔

Test Step Call Trace ✔

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 3.30 (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	✔

Test Step Call Trace ✔

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 3.31 (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

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	✔

Test Step Call Trace				✔
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	✔

Test Step Call Trace				✔
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 3.33 (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	✔

Test Step Call Trace ✔

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 3.34 (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	✔

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

Test Step Call Trace				✔
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	✔

Test Step Call Trace				✔
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	

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	✔

Test Step Call Trace				✔
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 3.37 (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	✔

Test Step Call Trace					✔
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	✔

Test Step Call Trace					✔
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	

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	✔

Test Step Call Trace				✔
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	✔

Test Step Call Trace				✔
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 3.41 (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	✔

Test Step Call Trace ✔

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 3.42 (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	✔

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

Test Step Call Trace				✔
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	✔

Test Step Call Trace				✔
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

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	✔

Test Step Call Trace					✔
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 3.45 (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	✔

Test Step Call Trace

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	✔

Test Step Call Trace

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	✔

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$(PROJECTROOT)\NxtrLib\include -I$(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**
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

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 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

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		

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	✔

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$(PROJECTROOT)\NxtrLib\include -I$(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
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

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 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		✔

Test Step Call Trace ✔

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		✔

Test Step Call Trace ✔

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		✔

Test Step Call Trace ✔

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		✔

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

Test Step Call Trace					✔
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	✔

Test Step Call Trace					✔
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	✔

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$(PROJECTROOT)\NxtrLib\include -I$(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**

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 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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 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:

TC2.1 All Min
TC2.2 All Max
TC2.3 MECCounter_Cnt_enum = ProductionMode
TC2.4 MECCounter_Cnt_enum = EngineeringMode
TC2.5 MECCounter_Cnt_enum = ManufacturingMode
TC2.6 T1_HwNm_f32 = Min
TC2.7 T1_HwNm_f32 = Max
TC2.8 T1_HwNm_f32 = Zero
TC2.9 T1_HwNm_f32 = Pos
TC2.10 T1_HwNm_f32 = Neg
TC2.11 T2_HwNm_f32 = Min
TC2.12 T2_HwNm_f32 = Max
TC2.13 T2_HwNm_f32 = Zero
TC2.14 T2_HwNm_f32 = Pos
TC2.15 T2_HwNm_f32 = Neg
TC2.16 k_MaxHwTrqTrim_HwNm_f32 = Min
TC2.17 k_MaxHwTrqTrim_HwNm_f32 = Max
TC2.18 k_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_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	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	-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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace				✔
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	✔

Test Step Call Trace				✔
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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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	0.324999988 ± 0.00048828125	✔
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace					✔
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	✔

Test Step Call Trace					✔
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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✓

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 2.18 (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	6.10200024		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-3.17059994		
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	-2.83999991		
tgt_Rte_Read_Sa_DigHwTrqSENT_T2_HwNm_f32_data	4.62099981		
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	-3.73049974	-3.73049998 ± 0.00048828125	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓

Test Step Call Trace ✓

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 Case 3: Path Test ✓

Specification

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

CPU Cycles:

TS3.1  2249.00 Cycles
TS3.2  2508.00 Cycles
TS3.3  2248.00 Cycles
```

Description

Vector Description:

TS3.1 (k_MaxHwTrqTrim_HwNm_f32 < Abs_m(HwTrqTrim_HwNm_T_f32)) ==> TRUE
TS3.2 (k_MaxHwTrqTrim_HwNm_f32 < Abs_m(HwTrqTrim_HwNm_T_f32)) ==> FALSE
TS3.3 MC/DC Covrage:((D_TRIMNOTPERFORMED_CNT_LGC == Rte_Pim_DigTrqTrim()->k_EOLHwTrqTrimPerformed_Cnt_Lgc)==>True && (D_MFGMODE_CNT_ENUM != MECCounter_Cnt_T_enum)==>False)

Test Step 3.1 (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

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	✔

Test Step Call Trace				✔
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	✔

Test Step Call Trace				✔
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	✔

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

Test Step Call Trace					✔
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	✔	

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$(PROJECTROOT)\NxtrLib\include -I$(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**

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   2200.00 Cycles
TS1.2   2903.00 Cycles
```

Description   Vector Description:

TS1.1Shortest Execution Path:
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32 = Limit_m(DigHwTrqSENT_SSDiagFiltOut_HwNm_M_f32, -D_SSFILTSVLMT_HWNM_F32, D_SSFILTSVLMT_HWNM_F32)=TRUE
if (AbsHwTrq_HwNm_T_f32 <= k_T1T2CMCLPFEnable_HwNm_f32)=FALSE

TS1.2Longest Execution Path=>DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32 = Limit_m(DigHwTrqSENT_SSDiagFiltOut_HwNm_M_f32, -D_SSFILTSVLMT_HWNM_F32, D_SSFILTSVLMT_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_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	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	2.524262221 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	2.52426219	2.524262221 ± 0.000976	✔

Test Step Call Trace ✔

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_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	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_SSFiltKSV_M_str.SV_Uls_f32	3.77315497	3.77315488 ± 0.000976	✔

Test Step Call Trace ✔

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 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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace				✔
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 2.3 (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	✔

Test Step Call Trace				✔
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 2.4 (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		
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	2.09861231	2.098612221 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	2.09861231	2.098612221 ± 0.000976	✔

Test Step Call Trace				✔
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 Case 3: Boundary Test ✔

Test Case 3: Boundary Test

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
```

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

CPU Cycles:
```

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	✔

Test Step Call Trace ✔

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 3.2 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.4 (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	2.524262221 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	2.52426219	2.524262221 ± 0.000976	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.6 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.8 (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	✔

Test Step Call Trace

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	✔

Test Step Call Trace

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 3.10 (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	14.249
k_T1T2CMCLPFEnable_HwNm_f32	12.745
k_T1T2SSLim_HwNm_f32	10.25

Name	Actual Value	Expected Value	Result
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	✔

Test Step Call Trace ✔

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 3.11 (Repeat Count = 1) ✔

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	15
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.35065
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	9.48
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.1648
DigHwTrqSENT_HwTrq_HwNm_M_f32	2.158
DigHwTrqSENT_SSDiagFiltOut_HwNm_M_f32	13.39409
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	7
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.4217
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	0
DigHwTrqSENT_TrqSum_HwNm_M_f32	20
k_T1T2CMCLPFEnable_HwNm_f32	12.814
k_T1T2SSLim_HwNm_f32	11

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	16.7532501	16.75325 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	16.7532501	16.75325 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	16.7532501	16.75325 ± 0.000976	✔
DigHwTrqSENT_SSDiagFiltOut_HwNm_M_f32	6.36355877	6.363558984 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	6.36355877	6.363558984 ± 0.000976	✔

Test Step Call Trace ✔

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 3.12 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.14 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.16 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.18 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.20 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.22 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.24 (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	✔

Test Step Call Trace   ✔

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	✔

Test Step Call Trace   ✔

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 3.26 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.28 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.30 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.32 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.34 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.36 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.38 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.40 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.42 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.44 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.46 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.48 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.50 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.52 (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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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 3.54 (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	✔

Test Step Call Trace ✔

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	✔

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

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	✓

Test Step Call Trace ✓

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	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
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 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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✔

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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✔

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	✔

Test Step Call Trace ✔

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	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✔