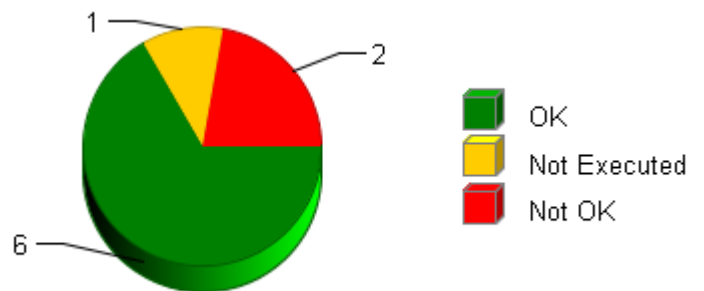


## Summary

**Total Test Objects:** 9  
**Successful:** 6  
**Failed:** 2  
**Not Executed:** 1  
**Date:** 2014-08-25  
**Time:** 16:39:59+0530

## Overall Test Object Results (including Coverage)



## Selected Project Items

Test Object "CBD\_UnitTest/DigHwTrqSENT\_FLTINJ/DigHwTrqSENT\_Init1"  
 Test Object "CBD\_UnitTest/DigHwTrqSENT\_FLTINJ/DigHwTrqSENT\_Per1"  
 Test Object "CBD\_UnitTest/DigHwTrqSENT\_FLTINJ/DigHwTrqSENT\_Per2"  
 Test Object "CBD\_UnitTest/DigHwTrqSENT\_FLTINJ/DigHwTrqSENT\_Per3"  
 Test Object "CBD\_UnitTest/DigHwTrqSENT\_FLTINJ/DigHwTrqSENT\_SCom\_ClrTrqTrim"  
 Test Object "CBD\_UnitTest/DigHwTrqSENT\_FLTINJ/DigHwTrqSENT\_SCom\_SetTrqTrim"  
 Test Object "CBD\_UnitTest/DigHwTrqSENT\_FLTINJ/DigHwTrqSENT\_SCom\_TrimData"  
 Test Object "CBD\_UnitTest/DigHwTrqSENT\_FLTINJ/DigHwTrqSENT\_SCom\_WriteData"  
 Test Object "CBD\_UnitTest/DigHwTrqSENT\_FLTINJ/TrimNotPerfDiag"

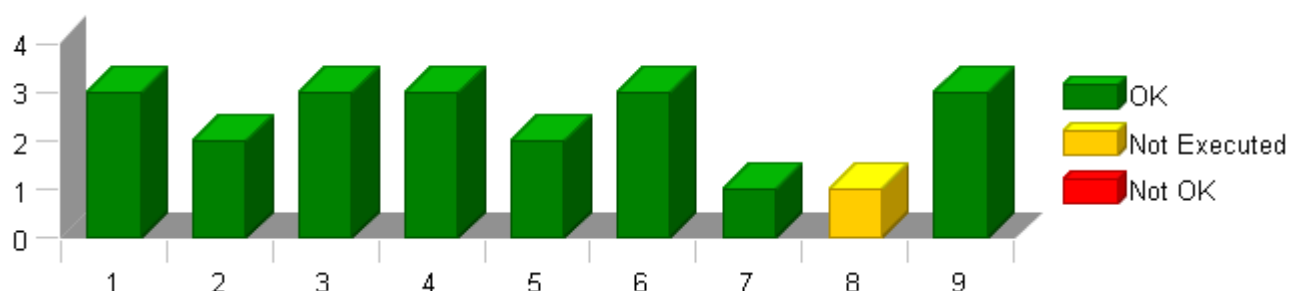
## Used Test Environments

TI TMS 570 PLS UDE (Default)

## Batch Operation Settings

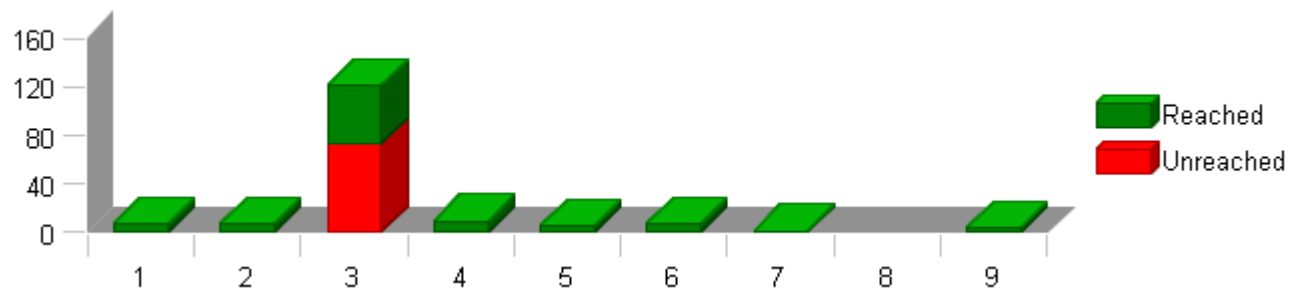
**Check Interface:** No  
**Generate Driver:** Yes  
**Execute Test:** Yes  
**Create New Test Run:** No  
**Instrumentation:** Test Object and Called Functions  
**Coverage:** Statement Coverage, Branch Coverage, Decision Coverage, Modified Condition / Decision Coverage, Multiple Condition Coverage

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



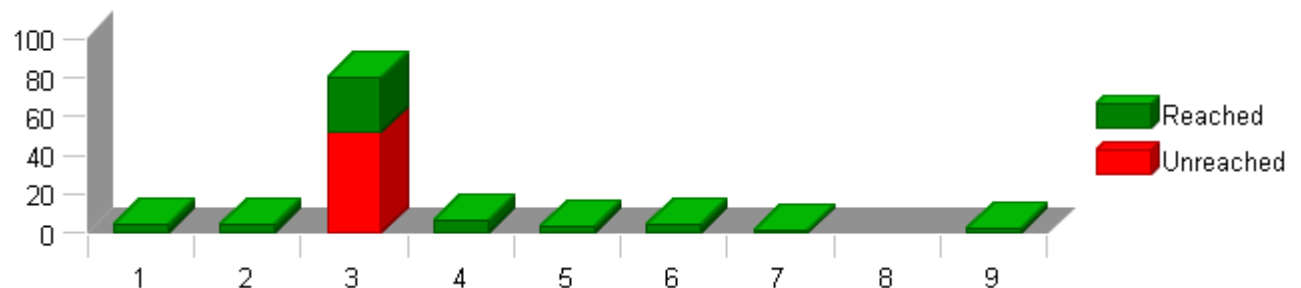
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object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



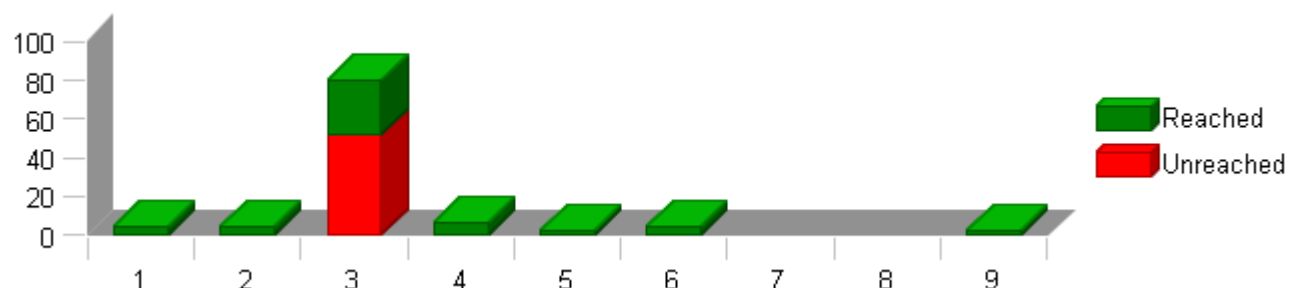
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

### 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.

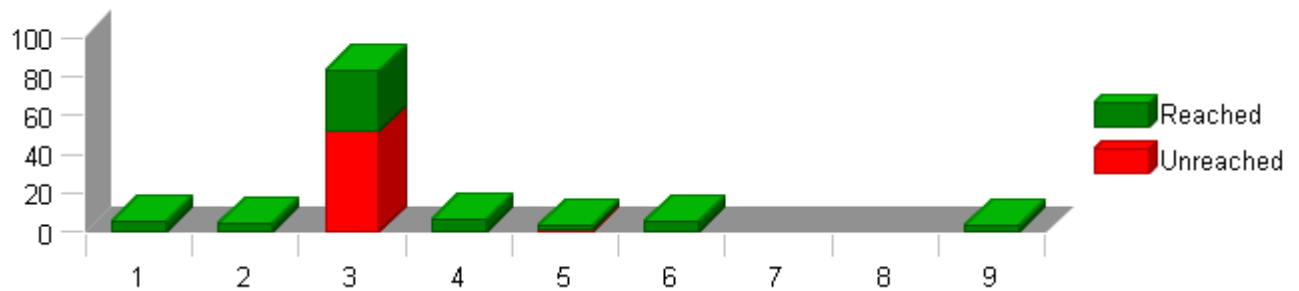
### Decision Coverage: Total Decision Outcomes for Each Test Object



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.

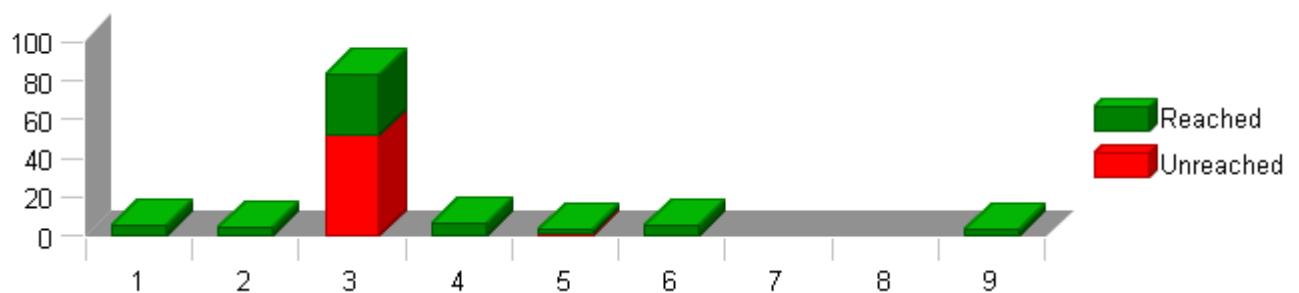
## MC/DC Coverage: Total Condition Combinations for Each Test Object



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 OVERVIEW REPORT

2014-08-25, 16:39:59+0530

Project CBD\_DigHwTrqSENT



### 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	54.37 %	50 %	49.01 %	51.37 %	51.37 %	20 of 21 passed	✘
	CBD_UnitTest	54.37 %	50 %	49.01 %	51.37 %	51.37 %	20 of 21 passed	✘
	DigHwTrqSENT_FLTINJ	54.37 %	50 %	49.01 %	51.37 %	51.37 %	20 of 21 passed	✘
1	<a href="#">DigHwTrqSENT_Init1</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
2	<a href="#">DigHwTrqSENT_Per1</a>	100 %	100 %	100 %	100 %	100 %	2 of 2 passed	✓
3	<a href="#">DigHwTrqSENT_Per2</a>	39.66 %	35 %	35 %	37.34 %	37.34 %	3 of 3 passed	✘
4	<a href="#">DigHwTrqSENT_Per3</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
5	<a href="#">DigHwTrqSENT_SCom_ClrTrqTrim</a>	100 %	100 %	100 %	66.66 %	66.66 %	2 of 2 passed	✘
6	<a href="#">DigHwTrqSENT_SCom_SetTrqTrim</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
7	<a href="#">DigHwTrqSENT_SCom_TrimData</a>	100 %	100 %	-	-	-	1 of 1 passed	✓
8	<a href="#">DigHwTrqSENT_SCom_WriteData</a>	-	-	-	-	-	-	⚠
9	<a href="#">TrimNotPerfDiag</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓

# TEST DETAILS REPORT

2014-08-25, 16:38:31+0530

DigHwTrqSENT\_SCom\_WriteData



Project	CBD_DigHwTrqSENT
Module	DigHwTrqSENT_FLTINJ
Test Object	DigHwTrqSENT_SCom_WriteData

## Statistics

Total Testcases	1
-----------------	---

## 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_ON -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include\TMS570_HerculesRegs -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_ON -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include\TMS570_HerculesRegs -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'DigHwTrqSENT_FLTINJ'	*****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: 8/25/2014 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_ps.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: 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	Expected Value
target_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-10 ± 0.00048828125
target_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1

## Test Step Call Trace

Expected Function	Count
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	Expected Value
target_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	10 ± 0.00048828125
target_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1

## Test Step Call Trace

Expected Function	Count
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	Expected Value
target_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	0 ± 0.00048828125
target_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1

## Test Step Call Trace

Expected Function	Count
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1

# TEST DETAILS REPORT

2014-08-25, 16:38:31+0530

DigHwTrqSENT\_SCom\_WriteData



## 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	Expected Value
target_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	5.44999981 ± 0.00048828125
target_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1

## Test Step Call Trace

Expected Function	Count
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	Expected Value
target_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	-6.32000017 ± 0.00048828125
target_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1

## Test Step Call Trace

Expected Function	Count
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_WriteBlock	1

# TEST DETAILS REPORT

2014-08-25, 16:27:10+0530

DigHwTrqSENT\_Per2



Project	CBD_DigHwTrqSENT
Module	DigHwTrqSENT_FLTINJ
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_ON -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include \TMS570_HerculesRegs -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_ON -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include \TMS570_HerculesRegs -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'DigHwTrqSENT_FLTINJ'	*****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: 8/25/2014 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." *****



# TEST DETAILS REPORT

2014-08-25, 16:27:10+0530

DigHwTrqSENT\_Per2



Test Object 'DigHwTrqSENT_Per2'	Performance Metrics: (With "None" instrumentation and WithPS Environment)  CPU Cycles: TC.1.1 1713.00 Cycles TC.1.2 1725.00 Cycles
---------------------------------	---

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_DigHwTrqSENT\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

# TEST DETAILS REPORT

2014-08-25, 16:27:10+0530



DigHwTrqSENT\_Per2

## Test Case 1: Metrics Test

<b>Specification</b>	Performance Metrics: (With "None" instrumentation and WithPS Environment)  CPU Cycles: TC.1.1 1713.00 Cycles TC.1.2 1725.00 Cycles
<b>Description</b>	Vector Description:  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_T1T2TransFitLim_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_T1T2TransFitLim_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_SSDFiltOut_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_T1T2TransFitLim_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

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

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

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_T1T2TransFiltLim_HwNm_f32	5.97359991
k_T1vsT2TrqSum_HwNm_f32	13.6700001
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957

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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_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_TDiagFillKSV_M_str.SV_Uls_f32	-1.01761389	-1.01761353 ± 0.000976	✔
DigHwTrqSENT_TDiagFillKSV_M_str.K_Uls_f32	0.290499747	0.290499777 ± 0.0000009	✔
DigHwTrqSENT_TDiagFillOut_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	✓	

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DigHwTrqSENT\_Per2

## Test Case 2: Path Test

### Specification

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

CPU Cycles:

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

### Description

Vector Description:

TC2.1"( AbsSSFillOut\_HwNm\_T\_f32 >= k\_T1T2SSLim\_HwNm\_f32)=FALSE (AbsSumFillOut\_HwNm\_T\_f32 >= k\_T1T2TransFiltLim\_HwNm\_f32) ) = TRUE,((T1vsT2Status\_Cnt\_T\_u08 & D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08) == D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08)= FALSE ||  
((TrqSensorNotTrimmedStatus\_Cnt\_T\_u08 & D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08) == D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08)=TRUE||  
((PriSnrTrqStorStatus\_Cnt\_T\_u08 & D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08) == D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08)"  
TC2.2"( AbsSSFillOut\_HwNm\_T\_f32 >= k\_T1T2SSLim\_HwNm\_f32)=FALSE (AbsSumFillOut\_HwNm\_T\_f32 >= k\_T1T2TransFiltLim\_HwNm\_f32) ) = FALSE,((T1vsT2Status\_Cnt\_T\_u08 & D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08) == D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08)= FALSE ||  
((TrqSensorNotTrimmedStatus\_Cnt\_T\_u08 & D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08) == D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08)=FALSE ||  
((PriSnrTrqStorStatus\_Cnt\_T\_u08 & D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08) == D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08)=FALSE"  
TC2.3( AbsSSFillOut\_HwNm\_T\_f32 >= k\_T1T2SSLim\_HwNm\_f32)=TRUE (AbsSumFillOut\_HwNm\_T\_f32 >= k\_T1T2TransFiltLim\_HwNm\_f32) ) ,  
TC2.4DigHwTrqSENT\_TrqSum\_HwNm\_M\_f32 = Limit\_m(TmpTrqSum\_HwNm\_T\_f32, -k\_T1vsT2TrqSum\_HwNm\_f32, k\_T1vsT2TrqSum\_HwNm\_f32)= FALSE,CorrDiagFiltOut\_HwNm\_T\_f32 = Limit\_m(DigHwTrqSENT\_CMCFiltOut\_HwNm\_M\_f32, -k\_CMCLPFOutLim\_HwNm\_f32, k\_CMCLPFOutLim\_HwNm\_f32)= FALSE  
TC2.5"( ((T1vsT2Status\_Cnt\_T\_u08 & D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08) == D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08)= FALSE ||  
((TrqSensorNotTrimmedStatus\_Cnt\_T\_u08 & D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08) == D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08)=FALSE ||  
((PriSnrTrqStorStatus\_Cnt\_T\_u08 & D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08) == D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08) )= TRUE"  
TC2.6"( ((T1vsT2Status\_Cnt\_T\_u08 & D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08) == D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08)= TRUE||  
((TrqSensorNotTrimmedStatus\_Cnt\_T\_u08 & D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08) == D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08)||  
((PriSnrTrqStorStatus\_Cnt\_T\_u08 & D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08) == D\_FAILEDANDFAILEDTHISOPCYCLE\_CNT\_U08) )"  
TC2.7DigHwTrqSENT\_TrqSum\_HwNm\_M\_f32 = Limit\_m(TmpTrqSum\_HwNm\_T\_f32, -k\_T1vsT2TrqSum\_HwNm\_f32, k\_T1vsT2TrqSum\_HwNm\_f32)==>True

## Test Step 2.1 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	8.79520035
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.88240004
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	2.86500001
DigHwTrqSENT_T1_HwNm_M_f32	-0.00270000007
DigHwTrqSENT_T2_HwNm_M_f32	-7.47300005
DigHwTrqSENT_TDiagFiltKSV_M_str.Uls_f32	-11
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.422800004
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	5.39870024
DigHwTrqSENT_TrqSum_HwNm_M_f32	6.05100012
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	6.39699984
k_T1T2SSLim_HwNm_f32	4.87480021
k_T1T2TransFiltLim_HwNm_f32	3.75679994
k_T1vsT2TrqSum_HwNm_f32	4.42999983
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205

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

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

## 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_T1T2TransFitLim_HwNm_f32	3.62639999
k_T1vsT2TrqSum_HwNm_f32	4.01000023
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055

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Name	Input Value		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	8.77799034	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_SSDFiltOut_HwNm_M_f32	-20
DigHwTrqSENT_T1_HwNm_M_f32	-10
DigHwTrqSENT_T2_HwNm_M_f32	-10
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-20
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-20
DigHwTrqSENT_TrqSum_HwNm_M_f32	-20
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	0
k_T1T2SSLim_HwNm_f32	0
k_T1T2TransFiltLim_HwNm_f32	0
k_T1vsT2TrqSum_HwNm_f32	0
t_T1T2DepTrsTimecon_Hz_u6p10[0]	0
t_T1T2DepTrsTimecon_Hz_u6p10[1]	0
t_T1T2DepTrsTimecon_Hz_u6p10[2]	0
t_T1T2DepTrsTimecon_Hz_u6p10[3]	0
t_T1T2DepTrsTimecon_Hz_u6p10[4]	0
t_T1T2DepTrsTimecon_Hz_u6p10[5]	0
t_T1T2DepTrsTimecon_Hz_u6p10[6]	0
t_T1T2DepTrsTimecon_Hz_u6p10[7]	0
t_T1T2DepTrsTimecon_Hz_u6p10[8]	0
t_T1T2DepTrsTimecon_Hz_u6p10[9]	0
t_T1T2DepTrsTimecon_Hz_u6p10[10]	0
t_T1T2DepTrsTimecon_Hz_u6p10[11]	0
t_T1T2DepTrsTimecon_Hz_u6p10[12]	0
t_T1T2DepTrsTimecon_Hz_u6p10[13]	0
t_T1T2DepTrsTimecon_Hz_u6p10[14]	0
t_T1T2DepTrsTimecon_Hz_u6p10[15]	0

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

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_T1T2TransFitLim_HwNm_f32	5.97359991
k_T1vsT2TrqSum_HwNm_f32	13.6700001
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082



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

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_SSDFiltOut_HwNm_M_f32	-4.15700006
DigHwTrqSENT_T1_HwNm_M_f32	-0.145999998
DigHwTrqSENT_T2_HwNm_M_f32	0
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-4.15700006
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.183400005
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-1.42760003
DigHwTrqSENT_TrqSum_HwNm_M_f32	-4.45800018
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	1.69299996
k_T1T2SSLim_HwNm_f32	1.29639995
k_T1T2TransFiltLim_HwNm_f32	1.01839995
k_T1vsT2TrqSum_HwNm_f32	9.39999962
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679

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

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_SSDFiltOut_HwNm_M_f32	-0.82099998
DigHwTrqSENT_T1_HwNm_M_f32	10
DigHwTrqSENT_T2_HwNm_M_f32	0.617999971
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-0.82099998
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.115000002
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-0.293000013
DigHwTrqSENT_TrqSum_HwNm_M_f32	-1.27199996
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	0.349000007
k_T1T2SSLim_HwNm_f32	0.273999989
k_T1T2TransFiltLim_HwNm_f32	0.236000001
k_T1vsT2TrqSum_HwNm_f32	5.80000019
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489

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

## 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_CMCLPFOuLim_HwNm_f32	4.15700006
k_T1T2SSLim_HwNm_f32	3.17079997
k_T1T2TransFitLim_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

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

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	✓

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## Test Case 3: Boundary Test



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DigHwTrqSENT\_Per2

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

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## Description

Vector Description:

TC3.1All Min  
TC3.2All Max  
TC3.3T1\_HwNm\_M\_f32 = Min  
TC3.4T1\_HwNm\_M\_f32 = Max  
TC3.5T1\_HwNm\_M\_f32 = Zero  
TC3.6T1\_HwNm\_M\_f32 = Pos  
TC3.7T1\_HwNm\_M\_f32 = Neg  
TC3.8T2\_HwNm\_M\_f32 = Min  
TC3.9T2\_HwNm\_M\_f32 = Max  
TC3.10T2\_HwNm\_M\_f32 = Zero  
TC3.11T2\_HwNm\_M\_f32 = Pos  
TC3.12T2\_HwNm\_M\_f32 = Neg  
TC3.13TrqSum\_HwNm\_M\_f32 = Min  
TC3.14TrqSum\_HwNm\_M\_f32 = Max  
TC3.15TrqSum\_HwNm\_M\_f32 = Zero  
TC3.16TrqSum\_HwNm\_M\_f32 = Pos  
TC3.17TrqSum\_HwNm\_M\_f32 = Neg  
TC3.18k\_T1vsT2TrqSum\_HwNm\_f32 = Min  
TC3.19k\_T1vsT2TrqSum\_HwNm\_f32 = Max  
TC3.20k\_T1vsT2TrqSum\_HwNm\_f32 = Pos  
TC3.21t\_T1T2IndTrsTimecon\_HwNm\_u5p11[17] = Min  
TC3.22t\_T1T2IndTrsTimecon\_HwNm\_u5p11[17] = Max  
TC3.23t\_T1T2IndTrsTimecon\_HwNm\_u5p11[17] = Pos  
TC3.24t\_T1T2DepTrsTimecon\_Hz\_u6p10[17] = Min  
TC3.25t\_T1T2DepTrsTimecon\_Hz\_u6p10[17] = Max  
TC3.26t\_T1T2DepTrsTimecon\_Hz\_u6p10[17] = Pos  
TC3.27TDiagFiltKSV\_M\_str.SV = Min  
TC3.28TDiagFiltKSV\_M\_str.SV = Max  
TC3.29TDiagFiltKSV\_M\_str.SV = Zero  
TC3.30TDiagFiltKSV\_M\_str.SV = Pos  
TC3.31TDiagFiltKSV\_M\_str.SV = Neg  
TC3.32TDiagFiltKSV\_M\_str.K = Min  
TC3.33TDiagFiltKSV\_M\_str.K = Max  
TC3.34TDiagFiltKSV\_M\_str.K = Pos  
TC3.35TDiagFiltOut\_HwNm\_M\_f32 = Min  
TC3.36TDiagFiltOut\_HwNm\_M\_f32 = Max  
TC3.37TDiagFiltOut\_HwNm\_M\_f32 = Zero  
TC3.38TDiagFiltOut\_HwNm\_M\_f32 = Pos  
TC3.39TDiagFiltOut\_HwNm\_M\_f32 = Neg  
TC3.40k\_T1T2SSLim\_HwNm\_f32 = Min  
TC3.41k\_T1T2SSLim\_HwNm\_f32 = Max  
TC3.42k\_T1T2SSLim\_HwNm\_f32 = Pos  
TC3.43k\_T1T2TransFiltLim\_HwNm\_f32 = Min  
TC3.44k\_T1T2TransFiltLim\_HwNm\_f32 = Max  
TC3.45k\_T1T2TransFiltLim\_HwNm\_f32 = Pos  
TC3.46Rte\_Call\_NxtrDiagMgr\_GetNTCStatus[3] = Min  
TC3.47Rte\_Call\_NxtrDiagMgr\_GetNTCStatus[3] = Max  
TC3.48Rte\_Call\_NxtrDiagMgr\_GetNTCStatus[3] = Pos  
TC3.49HwTrq\_HwNm\_M\_f32 = Min  
TC3.50HwTrq\_HwNm\_M\_f32 = Max  
TC3.51HwTrq\_HwNm\_M\_f32 = Zero  
TC3.52HwTrq\_HwNm\_M\_f32 = Pos  
TC3.53HwTrq\_HwNm\_M\_f32 = Neg  
TC3.54CMCFiltOut\_HwNm\_M\_f32 = Min  
TC3.55CMCFiltOut\_HwNm\_M\_f32 = Max  
TC3.56CMCFiltOut\_HwNm\_M\_f32 = Zero  
TC3.57CMCFiltOut\_HwNm\_M\_f32 = Pos  
TC3.58CMCFiltOut\_HwNm\_M\_f32 = Neg  
TC3.59k\_CMCLPFOutLim\_HwNm\_f32 = Min  
TC3.60k\_CMCLPFOutLim\_HwNm\_f32 = Max  
TC3.61k\_CMCLPFOutLim\_HwNm\_f32 = Pos  
TC3.62SSDiagFiltOut\_HwNm\_M\_f32 = Min  
TC3.63SSDiagFiltOut\_HwNm\_M\_f32 = Max  
TC3.64SSDiagFiltOut\_HwNm\_M\_f32 = Zero  
TC3.65SSDiagFiltOut\_HwNm\_M\_f32 = Pos  
TC3.66SSDiagFiltOut\_HwNm\_M\_f32 = Neg

## Test Step 3.1 (Repeat Count = 1)

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

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

## 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_T1T2TransFiltLim_HwNm_f32	20
k_T1vsT2TrqSum_HwNm_f32	20
t_T1T2DepTrsTimecon_Hz_u6p10[0]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[1]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[2]	38400



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Name	Input Value
t_T1T2DepTrsTimecon_Hz_u6p10[3]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[4]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[5]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[6]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[7]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[8]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[9]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[10]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[11]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[12]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[13]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[14]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[15]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[16]	38400
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40960
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40960
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	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_Igc.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_SSDFiltOut_HwNm_M_f32	0.264999986
DigHwTrqSENT_T1_HwNm_M_f32	-10
DigHwTrqSENT_T2_HwNm_M_f32	-0.160999998
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	0.264999986
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.103600003
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	0.1039
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.740999997
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	0.125
k_T1T2SSLim_HwNm_f32	0.103600003
k_T1T2TransFitLim_HwNm_f32	0.105599999
k_T1vsT2TrqSum_HwNm_f32	5.19999981
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055

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

tgt\_Rte\_Inst\_Sa\_DigHwTrqSENT.DigHwTrqSENT\_Per2\_SrlComHwTrqValid\_Cnt\_Igc    tgt\_DigHwTrqSENT\_Per2\_SrlComHwTrqValid\_Cnt\_Igc  
tgt\_Rte\_Inst\_Sa\_DigHwTrqSENT.DigHwTrqSENT\_Per2\_SrlComHwTrq\_HwNm\_f32    tgt\_DigHwTrqSENT\_Per2\_SrlComHwTrq\_HwNm\_f32

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

## 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_T1T2TransFiltLim_HwNm_f32	0.236000001
k_T1vsT2TrqSum_HwNm_f32	5.80000019
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591

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Name	Input Value
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	39322
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	39526
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	39731
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346

tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-0.336869925	-0.336869925 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0789771676	0.0789771751 ± 0.00000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-0.336869925	-0.336869925 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	5.30900002	5.30900002 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-0.309599996	-0.309599996 ± 0.0024414	✓

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_SSDFiltOut_HwNm_M_f32	1.37699997
DigHwTrqSENT_T1_HwNm_M_f32	0
DigHwTrqSENT_T2_HwNm_M_f32	-1.07500005
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	1.37699997
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.126399994
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	0.48210001
DigHwTrqSENT_TrqSum_HwNm_M_f32	1.80299997
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	0.573000014
k_T1T2SSLim_HwNm_f32	0.444400012
k_T1T2TransFitLim_HwNm_f32	0.366400003
k_T1vsT2TrqSum_HwNm_f32	6.4000001

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

## 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_T1T2TransFiltLim_HwNm_f32	0.496800005

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

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

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Name	Input Value
k_T1T2TransFitLim_HwNm_f32	0.627200007
k_T1vsT2TrqSum_HwNm_f32	7.5999999
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346
tgt_Rte_Inst_Sa_DigHwTrqSENT_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_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_SSDFiltOut_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

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Name	Input Value
k_T1T2SSLim_HwNm_f32	0.955600023
k_T1T2TransFiltLim_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_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.19374347	-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_Igc.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



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Name	Input Value		
k_CMCLPFOutLim_HwNm_f32	1.46899998		
k_T1T2SSLim_HwNm_f32	1.12600005		
k_T1T2TransFitLim_HwNm_f32	0.888000011		
k_T1vsT2TrqSum_HwNm_f32	8.80000019		
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417		
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322		
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226		
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131		
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036		
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940		
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845		
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749		
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654		
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559		
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463		
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368		
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273		
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177		
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082		
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987		
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	4.1628437	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_Igc.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



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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_T1T2TransFitLim_HwNm_f32	1.01839995		
k_T1vsT2TrqSum_HwNm_f32	9.39999962		
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383		
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175		
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967		
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759		
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551		
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343		
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135		
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927		
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719		
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511		
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303		
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095		
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887		
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679		
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471		
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263		
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055		
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205		
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216		
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227		
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237		
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248		
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258		
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269		
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279		
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290		
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300		
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311		
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864		
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888		
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093		
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936		
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141		
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFillKSV_M_str.SV_Uls_f32	-3.48013163	-3.48013186 ± 0.000976	✔
DigHwTrqSENT_TDiagFillKSV_M_str.K_Uls_f32	0.165736616	0.165736586 ± 0.0000009	✔
DigHwTrqSENT_TDiagFillOut_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_TDiagFillKSV_M_str.SV_Uls_f32	4.71299982
DigHwTrqSENT_TDiagFillKSV_M_str.K_Uls_f32	0.194800004
DigHwTrqSENT_TDiagFillOut_HwNm_M_f32	1.61670005

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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_T1T2TransFiltLim_HwNm_f32	1.14880002
k_T1vsT2TrqSum_HwNm_f32	10
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_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_Igc.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

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DigHwTrqSENT\_Per2

Name	Input Value
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-1.80579996
DigHwTrqSENT_TrqSum_HwNm_M_f32	-5.51999998
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	2.14100003
k_T1T2SSLim_HwNm_f32	1.6372
k_T1T2TransFiltLim_HwNm_f32	1.27919996
k_T1vsT2TrqSum_HwNm_f32	10.6000004
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876
tgt_Rte_Inst_Sa_DigHwTrqSENT_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc
tgt_Rte_Inst_Sa_DigHwTrqSENT_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-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	-4.60500005	-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_Igc.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_SSDFiltOut_HwNm_M_f32	5.82499981
DigHwTrqSENT_T1_HwNm_M_f32	1.71200001
DigHwTrqSENT_T2_HwNm_M_f32	0.753000021
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	5.82499981

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DigHwTrqSENT\_Per2

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

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

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_SSDFiltOut_HwNm_M_f32	-6.38100004
DigHwTrqSENT_T1_HwNm_M_f32	-2.23399997
DigHwTrqSENT_T2_HwNm_M_f32	0.296000004

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DigHwTrqSENT\_Per2

Name	Input Value		
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-6.38100004		
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.229000002		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-2.18400002		
DigHwTrqSENT_TrqSum_HwNm_M_f32	20		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_CMCLPFOutLim_HwNm_f32	2.58899999		
k_T1T2SSLim_HwNm_f32	1.97800004		
k_T1T2TransFitLim_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_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc		
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-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_Igc.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

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DigHwTrqSENT\_Per2

Name	Input Value
DigHwTrqSENT_T2_HwNm_M_f32	-0.160999998
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	6.9369998
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.240400001
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	2.37310004
DigHwTrqSENT_TrqSum_HwNm_M_f32	0
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	2.81299996
k_T1T2SSLim_HwNm_f32	2.14840007
k_T1T2TransFiltLim_HwNm_f32	1.67040002
k_T1vsT2TrqSum_HwNm_f32	12.3999996
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
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

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DigHwTrqSENT\_Per2

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

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-7.11327982	-7.11327982 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0616129041	0.0616128817 ± 0.00000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-7.11327982	-7.11327982 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-1.33000004	-1.33000004 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc.value	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-2.78640008	-2.78640008 ± 0.0024414	✓

## 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



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DigHwTrqSENT\_Per2

Name	Input Value
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	8.04899979
DigHwTrqSENT_T1_HwNm_M_f32	3.79999995
DigHwTrqSENT_T2_HwNm_M_f32	-1.07500005
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	8.04899979
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.263200015
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	2.7513001
DigHwTrqSENT_TrqSum_HwNm_M_f32	-11.1199999
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	3.26099992
k_T1T2SSLim_HwNm_f32	2.48920012
k_T1T2TransFitLim_HwNm_f32	1.93120003
k_T1vsT2TrqSum_HwNm_f32	13.6000004
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_Igc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

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

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



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DigHwTrqSENT\_Per2

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

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

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 DETAILS REPORT

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DigHwTrqSENT\_Per2

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

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DigHwTrqSENT\_Per2

## Test Step 3.20 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	5.7592001
DigHwTrqSENT_HwTrq_HwNm_M_f32	-3.61199999
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-9.71700001
DigHwTrqSENT_T1_HwNm_M_f32	-5.36600018
DigHwTrqSENT_T2_HwNm_M_f32	2.4460001
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-9.71700001
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.297399998
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-3.31859994
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.209999993
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	3.93300009
k_T1T2SSLim_HwNm_f32	3.00040007
k_T1T2TransFiltLim_HwNm_f32	2.32240009
k_T1vsT2TrqSum_HwNm_f32	10.21
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-9.20826244	-9.20826244 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0616129041	0.0616128817 ± 0.00000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-9.20826244	-9.20826244 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-1.46000004	-1.46000004 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-3.61199999	-3.61199999 ± 0.0024414	✓

## 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	✓

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DigHwTrqSENT\_Per2

Test Step 3.21 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	6.03520012			
DigHwTrqSENT_HwTrq_HwNm_M_f32	3.81839991			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	10.2729998			
DigHwTrqSENT_T1_HwNm_M_f32	5.88800001			
DigHwTrqSENT_T2_HwNm_M_f32	-2.90300012			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	10.2729998			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.308800012			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	3.50769997			
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.740999997			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	4.15700006			
k_T1T2SSLim_HwNm_f32	3.17079997			
k_T1T2TransFiltLim_HwNm_f32	2.45280004			
k_T1vsT2TrqSum_HwNm_f32	0.230000004			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	0			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	0			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	0			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	0			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	0			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	0			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	0			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	0			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	0			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	0			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	0			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	0			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	0			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	0			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	0			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	0			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	0			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	4.39192629	4.39192724 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.58558929	0.58558929 ± 0.0000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	4.39192629	4.39192724 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.230000004	0.230000004 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	3.81839991	3.81839991 ± 0.0024414	✓	

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	✓

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DigHwTrqSENT\_Per2

## Test Step 3.22 (Repeat Count = 1) ✓

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

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DigHwTrqSENT\_Per2

## Test Step 3.23 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-11
DigHwTrqSENT_HwTrq_HwNm_M_f32	4.23120022
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	11.3850002
DigHwTrqSENT_T1_HwNm_M_f32	6.93200016
DigHwTrqSENT_T2_HwNm_M_f32	-3.81699991
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	11.3850002
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.33160001
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	3.88590002
DigHwTrqSENT_TrqSum_HwNm_M_f32	1.80299997
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	4.60500002
k_T1T2SSLim_HwNm_f32	3.51160002
k_T1T2TransFiltLim_HwNm_f32	2.71359992
k_T1vsT2TrqSum_HwNm_f32	1.07000005
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2048
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	4096
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	6144
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8192
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10240
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	12288
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	14336
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	16384
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	18432
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	20480
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	22528
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	24576
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	26624
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	28672
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	30720
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	32768
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	34816
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	10.8502388	10.8502388 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0518431067	0.0518430844 ± 0.00000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	10.8502388	10.8502388 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	1.07000005	1.07000005 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_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	✓

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DigHwTrqSENT\_Per2

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



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DigHwTrqSENT\_Per2



## Test Step 3.25 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-13
DigHwTrqSENT_HwTrq_HwNm_M_f32	4.64400005
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	12.4969997
DigHwTrqSENT_T1_HwNm_M_f32	7.97599983
DigHwTrqSENT_T2_HwNm_M_f32	-4.73099995
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	12.4969997
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.354400009
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	4.26410007
DigHwTrqSENT_TrqSum_HwNm_M_f32	2.86500001
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	5.05299997
k_T1T2SSLim_HwNm_f32	3.85240006
k_T1T2TransFiltLim_HwNm_f32	2.97440004
k_T1vsT2TrqSum_HwNm_f32	1.90999997
t_T1T2DepTrsTimecon_Hz_u6p10[0]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[1]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[2]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[3]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[4]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[5]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[6]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[7]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[8]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[9]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[10]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[11]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[12]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[13]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[14]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[15]	38400
t_T1T2DepTrsTimecon_Hz_u6p10[16]	38400
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	5.859869	5.85986996 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.610338926	0.610338867 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	5.859869	5.85986996 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	1.62249994	1.62249994 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	4.64400005	4.64400005 ± 0.0024414	✓

## 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	✓



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DigHwTrqSENT\_Per2

## Test Step 3.26 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-14
DigHwTrqSENT_HwTrq_HwNm_M_f32	-4.85039997
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-13.0530005
DigHwTrqSENT_T1_HwNm_M_f32	-8.49800014
DigHwTrqSENT_T2_HwNm_M_f32	5.1880002
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-13.0530005
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.365799993
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-4.45319986
DigHwTrqSENT_TrqSum_HwNm_M_f32	-3.39599991
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	5.27699995
k_T1T2SSLim_HwNm_f32	4.02279997
k_T1T2TransFiltLim_HwNm_f32	3.10479999
k_T1vsT2TrqSum_HwNm_f32	2.32999992
t_T1T2DepTrsTimecon_Hz_u6p10[0]	1024
t_T1T2DepTrsTimecon_Hz_u6p10[1]	2048
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3072
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4096
t_T1T2DepTrsTimecon_Hz_u6p10[4]	5120
t_T1T2DepTrsTimecon_Hz_u6p10[5]	6144
t_T1T2DepTrsTimecon_Hz_u6p10[6]	7168
t_T1T2DepTrsTimecon_Hz_u6p10[7]	8192
t_T1T2DepTrsTimecon_Hz_u6p10[8]	9216
t_T1T2DepTrsTimecon_Hz_u6p10[9]	10240
t_T1T2DepTrsTimecon_Hz_u6p10[10]	11264
t_T1T2DepTrsTimecon_Hz_u6p10[11]	12288
t_T1T2DepTrsTimecon_Hz_u6p10[12]	13312
t_T1T2DepTrsTimecon_Hz_u6p10[13]	14336
t_T1T2DepTrsTimecon_Hz_u6p10[14]	15360
t_T1T2DepTrsTimecon_Hz_u6p10[15]	16384
t_T1T2DepTrsTimecon_Hz_u6p10[16]	17408
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

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

## 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 DETAILS REPORT

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DigHwTrqSENT\_Per2

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

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	✓

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DigHwTrqSENT\_Per2

## Test Step 3.28 (Repeat Count = 1)

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

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

## 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	✓

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DigHwTrqSENT\_Per2

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

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DigHwTrqSENT\_Per2

## Test Step 3.30 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-18
DigHwTrqSENT_HwTrq_HwNm_M_f32	-5.67600012
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-2.33400011
DigHwTrqSENT_T1_HwNm_M_f32	0.298000008
DigHwTrqSENT_T2_HwNm_M_f32	7.01599979
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	11.1999998
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.41139999
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-5.20959997
DigHwTrqSENT_TrqSum_HwNm_M_f32	-5.51999998
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	6.17299986
k_T1T2SSLim_HwNm_f32	4.70440006
k_T1T2TransFiltLim_HwNm_f32	3.62639999
k_T1vsT2TrqSum_HwNm_f32	4.01000023
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	8.91746998	8.91746998 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.30260241	0.30260241 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	8.91746998	8.91746998 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	3.65699983	3.65700006 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_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 DETAILS REPORT

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DigHwTrqSENT\_Per2

Test Step 3.31 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFltOut_HwNm_M_f32	8.79520035			
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.88240004			
DigHwTrqSENT_SSdiagFltOut_HwNm_M_f32	2.86500001			
DigHwTrqSENT_T1_HwNm_M_f32	-0.00270000007			
DigHwTrqSENT_T2_HwNm_M_f32	-7.47300005			
DigHwTrqSENT_TDiagFltKSV_M_str.SV_Uls_f32	-11.1199999			
DigHwTrqSENT_TDiagFltKSV_M_str.K_Uls_f32	0.422800004			
DigHwTrqSENT_TDiagFltOut_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_TDiagFltKSV_M_str.SV_Uls_f32	-10.5952997	-10.5952997 ± 0.000976	✓	
DigHwTrqSENT_TDiagFltKSV_M_str.K_Uls_f32	0.07107687	0.0710768402 ± 0.00000009	✓	
DigHwTrqSENT_TDiagFltOut_HwNm_M_f32	-10.5952997	-10.5952997 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-3.73784995	-3.73784995 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_GetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	5.88240004	5.88240004 ± 0.0024414	✓	

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	✓

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DigHwTrqSENT\_Per2

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

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DigHwTrqSENT\_Per2

## Test Step 3.33 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	9.34720039
DigHwTrqSENT_HwTrq_HwNm_M_f32	6.29519987
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	3.92700005
DigHwTrqSENT_T1_HwNm_M_f32	-0.604099989
DigHwTrqSENT_T2_HwNm_M_f32	-8.38700008
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-13.0530005
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.610338867
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	5.77689981
DigHwTrqSENT_TrqSum_HwNm_M_f32	7.11299992
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	6.84499979
k_T1T2SSLim_HwNm_f32	5.21560001
k_T1T2TransFiltLim_HwNm_f32	4.01760006
k_T1vsT2TrqSum_HwNm_f32	5.26999998
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-10.3150883	-10.3150873 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.319944859	0.319944859 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-10.3150883	-10.3150873 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-4.49555016	-4.49555016 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_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 DETAILS REPORT

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DigHwTrqSENT\_Per2

## Test Step 3.34 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	9.62320042
DigHwTrqSENT_HwTrq_HwNm_M_f32	-6.50159979
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-4.45800018
DigHwTrqSENT_T1_HwNm_M_f32	0.904799998
DigHwTrqSENT_T2_HwNm_M_f32	8.84399986
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	13.6090002
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.476399988
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-5.96600008
DigHwTrqSENT_TrqSum_HwNm_M_f32	-7.64400005
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	7.06899977
k_T1T2SSLim_HwNm_f32	5.38600016
k_T1T2TransFiltLim_HwNm_f32	4.14799976
k_T1vsT2TrqSum_HwNm_f32	5.69000006
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	11.7703648	11.7703648 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.2105003	0.210500255 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	11.7703648	11.7703648 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	4.87440014	4.87440014 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_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	✓

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DigHwTrqSENT\_Per2

## Test Step 3.35 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	9.89920044
DigHwTrqSENT_HwTrq_HwNm_M_f32	6.70800018
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	4.98899984
DigHwTrqSENT_T1_HwNm_M_f32	-1.20550001
DigHwTrqSENT_T2_HwNm_M_f32	-9.30099964
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-14.165
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.106899999
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-20
DigHwTrqSENT_TrqSum_HwNm_M_f32	8.17500019
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	7.29300022
k_T1T2SSLim_HwNm_f32	5.55639982
k_T1T2TransFiltLim_HwNm_f32	4.27839994
k_T1vsT2TrqSum_HwNm_f32	6.11000013
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-12.0604372	-12.0604372 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.236155927	0.236155897 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-12.0604372	-12.0604372 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-5.25324965	-5.25325012 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	6.70800018	6.70800018 ± 0.0024414	✓

## 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	✓

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DigHwTrqSENT\_Per2

## Test Step 3.36 (Repeat Count = 1) ✓

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

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

## 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 DETAILS REPORT

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DigHwTrqSENT\_Per2

## Test Step 3.37 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	10.4511995
DigHwTrqSENT_HwTrq_HwNm_M_f32	7.12080002
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0.264999986
DigHwTrqSENT_T1_HwNm_M_f32	-1.80690002
DigHwTrqSENT_T2_HwNm_M_f32	0.925999999
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-15.2770004
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.111100003
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	0
DigHwTrqSENT_TrqSum_HwNm_M_f32	-9.23700047
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	7.74100018
k_T1T2SSLim_HwNm_f32	5.89720011
k_T1T2TransFiltLim_HwNm_f32	4.53919983
k_T1vsT2TrqSum_HwNm_f32	6.94999981
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-13.4299393	-13.4299393 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-13.4299393	-13.4299393 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.440450013	-0.440450013 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_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 DETAILS REPORT

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DigHwTrqSENT\_Per2

## Test Step 3.38 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	10.7271996
DigHwTrqSENT_HwTrq_HwNm_M_f32	-7.32719994
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-0.82099998
DigHwTrqSENT_T1_HwNm_M_f32	2.10759997
DigHwTrqSENT_T2_HwNm_M_f32	0.486999989
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	15.8330002
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.113200001
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	4.11999989
DigHwTrqSENT_TrqSum_HwNm_M_f32	9.76799965
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	7.96500015
k_T1T2SSLim_HwNm_f32	6.06759977
k_T1T2TransFiltLim_HwNm_f32	4.66960001
k_T1vsT2TrqSum_HwNm_f32	7.36999989
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	13.4239025	13.4239025 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.165736616	0.165736586 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	13.4239025	13.4239025 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	1.29729998	1.29729998 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-7.32719994	-7.32719994 ± 0.0024414	✓

## 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	✓

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DigHwTrqSENT\_Per2

## Test Step 3.39 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	11.0031996
DigHwTrqSENT_HwTrq_HwNm_M_f32	7.53359985
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	1.37699997
DigHwTrqSENT_T1_HwNm_M_f32	-2.40829992
DigHwTrqSENT_T2_HwNm_M_f32	0.048000004
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-16.3889999
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.1153
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-4.48000002
DigHwTrqSENT_TrqSum_HwNm_M_f32	-10.2989998
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	8.18900013
k_T1T2SSLim_HwNm_f32	6.23799992
k_T1T2TransFiltLim_HwNm_f32	4.80000019
k_T1vsT2TrqSum_HwNm_f32	7.78999996
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-15.5485926	-15.5485926 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0552577972	0.0552577972 ± 0.00000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-15.5485926	-15.5485926 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-1.18014991	-1.18015003 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	7.53359985	7.53359985 ± 0.0024414	✓

## 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 DETAILS REPORT

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DigHwTrqSENT\_Per2

## Test Step 3.40 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	11.2791996
DigHwTrqSENT_HwTrq_HwNm_M_f32	-7.73999977
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-1.93299997
DigHwTrqSENT_T1_HwNm_M_f32	2.70900011
DigHwTrqSENT_T2_HwNm_M_f32	-0.391000003
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	16.9449997
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.117399998
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	6.12300014
DigHwTrqSENT_TrqSum_HwNm_M_f32	10.8299999
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	8.41300011
k_T1T2SSLim_HwNm_f32	0
k_T1T2TransFiltLim_HwNm_f32	4.93039989
k_T1vsT2TrqSum_HwNm_f32	8.21000004
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	15.9723787	15.9723787 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0616129041	0.0616128817 ± 0.00000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	15.9723787	15.9723787 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	1.15900004	1.15900004 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_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 DETAILS REPORT

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DigHwTrqSENT\_Per2

## Test Step 3.41 (Repeat Count = 1) ✓

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

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

## 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 DETAILS REPORT

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DigHwTrqSENT\_Per2

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

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DigHwTrqSENT\_Per2

## 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_T1T2TransFiltLim_HwNm_f32	0
k_T1vsT2TrqSum_HwNm_f32	9.47000027
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_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	✓

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DigHwTrqSENT\_Per2

## Test Step 3.44 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	12.3831997
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.5656004
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-4.15700006
DigHwTrqSENT_T1_HwNm_M_f32	3.91179991
DigHwTrqSENT_T2_HwNm_M_f32	-2.14700007
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	19.1690006
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.125799999
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	7.90700006
DigHwTrqSENT_TrqSum_HwNm_M_f32	12.9540005
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	9.30900002
k_T1T2SSLim_HwNm_f32	6.23799992
k_T1T2TransFiltLim_HwNm_f32	20
k_T1vsT2TrqSum_HwNm_f32	9.89000034
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2591
t_T1T2DepTrsTimecon_Hz_u6p10[1]	3082
t_T1T2DepTrsTimecon_Hz_u6p10[2]	3574
t_T1T2DepTrsTimecon_Hz_u6p10[3]	4065
t_T1T2DepTrsTimecon_Hz_u6p10[4]	4557
t_T1T2DepTrsTimecon_Hz_u6p10[5]	5048
t_T1T2DepTrsTimecon_Hz_u6p10[6]	5540
t_T1T2DepTrsTimecon_Hz_u6p10[7]	6031
t_T1T2DepTrsTimecon_Hz_u6p10[8]	6523
t_T1T2DepTrsTimecon_Hz_u6p10[9]	7014
t_T1T2DepTrsTimecon_Hz_u6p10[10]	7506
t_T1T2DepTrsTimecon_Hz_u6p10[11]	7997
t_T1T2DepTrsTimecon_Hz_u6p10[12]	8489
t_T1T2DepTrsTimecon_Hz_u6p10[13]	8980
t_T1T2DepTrsTimecon_Hz_u6p10[14]	9472
t_T1T2DepTrsTimecon_Hz_u6p10[15]	9964
t_T1T2DepTrsTimecon_Hz_u6p10[16]	10455
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	18.0423107	18.0423107 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.0616129041	0.0616128817 ± 0.00000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	18.0423107	18.0423107 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.882399917	0.882399976 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_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	✓

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DigHwTrqSENT\_Per2

## Test Step 3.45 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	12.6591997
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.77200031
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	4.71299982
DigHwTrqSENT_T1_HwNm_M_f32	-4.2125001
DigHwTrqSENT_T2_HwNm_M_f32	2.58599997
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-19.7250004
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.127900004
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-8.35299969
DigHwTrqSENT_TrqSum_HwNm_M_f32	-13.4849997
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	9.53299999
k_T1T2SSLim_HwNm_f32	6.40840006
k_T1T2TransFiltLim_HwNm_f32	13.2299995
k_T1vsT2TrqSum_HwNm_f32	10.3100004
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-17.3706017	-17.3706017 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-17.3706017	-17.3706017 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.813250065	-0.813250005 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_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	✓

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DigHwTrqSENT\_Per2

## Test Step 3.46 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	12.9351997
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.97840023
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-5.26900005
DigHwTrqSENT_T1_HwNm_M_f32	4.51319981
DigHwTrqSENT_T2_HwNm_M_f32	-3.0250001
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	0.345999986
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.129999995
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	8.79899979
DigHwTrqSENT_TrqSum_HwNm_M_f32	14.0159998
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	9.75699997
k_T1T2SSLim_HwNm_f32	6.5788002
k_T1T2TransFiltLim_HwNm_f32	5.06080008
k_T1vsT2TrqSum_HwNm_f32	10.7299995
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	0.411979705	0.411979735 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.165736616	0.165736586 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	0.411979705	0.411979735 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.744099855	0.744099975 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_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 DETAILS REPORT

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DigHwTrqSENT\_Per2

## Test Step 3.47 (Repeat Count = 1)

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

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-0.805345356	-0.805345356 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.048556149	0.0485561527 ± 0.00000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-0.805345356	-0.805345356 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.674950004	-0.674950004 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_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	✓

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DigHwTrqSENT\_Per2

## Test Step 3.48 (Repeat Count = 1)

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

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

## 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	✓



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DigHwTrqSENT\_Per2

## Test Step 3.49 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-9.25
DigHwTrqSENT_HwTrq_HwNm_M_f32	-10
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	6.9369998
DigHwTrqSENT_T1_HwNm_M_f32	-5.41529989
DigHwTrqSENT_T2_HwNm_M_f32	4.34200001
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-1.74399996
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.136299998
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-10.1370001
DigHwTrqSENT_TrqSum_HwNm_M_f32	-15.6090002
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	10.4289999
k_T1T2SSLim_HwNm_f32	7.09000015
k_T1T2TransFiltLim_HwNm_f32	5.45200014
k_T1vsT2TrqSum_HwNm_f32	11.9899998
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-1.59369218	-1.5936923 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-1.59369218	-1.5936923 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.536649942	-0.536650002 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_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 DETAILS REPORT

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DigHwTrqSENT\_Per2

## Test Step 3.50 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-8.25
DigHwTrqSENT_HwTrq_HwNm_M_f32	10
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-7.49300003
DigHwTrqSENT_T1_HwNm_M_f32	5.71600008
DigHwTrqSENT_T2_HwNm_M_f32	-4.78100014
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	2.21000004
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.138400003
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	10.5830002
DigHwTrqSENT_TrqSum_HwNm_M_f32	16.1399994
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	10.6529999
k_T1T2SSLim_HwNm_f32	7.26039982
k_T1T2TransFiltLim_HwNm_f32	5.58239985
k_T1vsT2TrqSum_HwNm_f32	12.4099998
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	1.92120397	1.92120397 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.165736616	0.165736586 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	1.92120397	1.92120397 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.467499971	0.467500001 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_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 DETAILS REPORT

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DigHwTrqSENT\_Per2

Test Step 3.51 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-7.25			
DigHwTrqSENT_HwTrq_HwNm_M_f32	0			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	8.04899979			
DigHwTrqSENT_T1_HwNm_M_f32	-6.01669979			
DigHwTrqSENT_T2_HwNm_M_f32	5.21999979			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-2.67600012			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.140499994			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.0290003			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-16.6709995			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	10.8769999			
k_T1T2SSLim_HwNm_f32	7.43079996			
k_T1T2TransFiltLim_HwNm_f32	5.71280003			
k_T1vsT2TrqSum_HwNm_f32	12.8299999			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-2.56540632	-2.56540608 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.048556149	0.0485561527 ± 0.00000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-2.56540632	-2.56540608 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.39835	-0.39835 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	0	0 ± 0.0024414	✓	

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 DETAILS REPORT

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DigHwTrqSENT\_Per2

## Test Step 3.52 (Repeat Count = 1) ✓

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

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

## 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	✓

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DigHwTrqSENT\_Per2

Test Step 3.53 (Repeat Count = 1)				
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	14.8671999			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-6.32000017			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	9.16100025			
DigHwTrqSENT_T1_HwNm_M_f32	-6.61810017			
DigHwTrqSENT_T2_HwNm_M_f32	6.09800005			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.60800004			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.144700006			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.9209995			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-17.7329998			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	11.3249998			
k_T1T2SSLim_HwNm_f32	7.77159977			
k_T1T2TransFiltLim_HwNm_f32	5.97359991			
k_T1vsT2TrqSum_HwNm_f32	13.6700001			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.19120049	-3.19120049 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-3.19120049	-3.19120049 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.260050058	-0.260049999 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓	
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-6.32000017	-6.32000017 ± 0.0024414	✓	

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 DETAILS REPORT

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DigHwTrqSENT\_Per2

## Test Step 3.54 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-20
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.5656004
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-9.71700001
DigHwTrqSENT_T1_HwNm_M_f32	-5.41529989
DigHwTrqSENT_T2_HwNm_M_f32	4.34200001
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-1.74399996
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.136299998
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-10.1370001
DigHwTrqSENT_TrqSum_HwNm_M_f32	-15.6090002
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	11.5489998
k_T1T2SSLim_HwNm_f32	7.09000015
k_T1T2TransFiltLim_HwNm_f32	5.45200014
k_T1vsT2TrqSum_HwNm_f32	11.9899998
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	6205
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	9216
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	12227
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	15237
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	18248
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	21258
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	24269
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	27279
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	30290
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	33300
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	36311
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	36864
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	37888
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	38093
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	39936
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	40141
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	40346
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-1.59369218	-1.5936923 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-1.59369218	-1.5936923 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.536649942	-0.536650002 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_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 DETAILS REPORT

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DigHwTrqSENT\_Per2

## Test Step 3.55 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	20
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.77200031
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	10.2729998
DigHwTrqSENT_T1_HwNm_M_f32	5.71600008
DigHwTrqSENT_T2_HwNm_M_f32	-4.78100014
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	2.21000004
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.138400003
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	10.5830002
DigHwTrqSENT_TrqSum_HwNm_M_f32	16.1399994
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	11.7729998
k_T1T2SSLim_HwNm_f32	7.26039982
k_T1T2TransFiltLim_HwNm_f32	5.58239985
k_T1vsT2TrqSum_HwNm_f32	12.4099998
t_T1T2DepTrsTimecon_Hz_u6p10[0]	7383
t_T1T2DepTrsTimecon_Hz_u6p10[1]	9175
t_T1T2DepTrsTimecon_Hz_u6p10[2]	10967
t_T1T2DepTrsTimecon_Hz_u6p10[3]	12759
t_T1T2DepTrsTimecon_Hz_u6p10[4]	14551
t_T1T2DepTrsTimecon_Hz_u6p10[5]	16343
t_T1T2DepTrsTimecon_Hz_u6p10[6]	18135
t_T1T2DepTrsTimecon_Hz_u6p10[7]	19927
t_T1T2DepTrsTimecon_Hz_u6p10[8]	21719
t_T1T2DepTrsTimecon_Hz_u6p10[9]	23511
t_T1T2DepTrsTimecon_Hz_u6p10[10]	25303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	27095
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28887
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30679
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32471
t_T1T2DepTrsTimecon_Hz_u6p10[15]	34263
t_T1T2DepTrsTimecon_Hz_u6p10[16]	36055
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	1.92120397	1.92120397 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.165736616	0.165736586 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	1.92120397	1.92120397 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.467499971	0.467500001 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_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	✓

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DigHwTrqSENT\_Per2

## Test Step 3.56 (Repeat Count = 1) ✓

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	0
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.97840023
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-10.8290005
DigHwTrqSENT_T1_HwNm_M_f32	-6.01669979
DigHwTrqSENT_T2_HwNm_M_f32	5.21999979
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-2.67600012
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.140499994
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.0290003
DigHwTrqSENT_TrqSum_HwNm_M_f32	-16.6709995
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	11.9969997
k_T1T2SSLim_HwNm_f32	7.43079996
k_T1T2TransFiltLim_HwNm_f32	5.71280003
k_T1vsT2TrqSum_HwNm_f32	12.8299999
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-2.56540632	-2.56540608 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.048556149	0.0485561527 ± 0.00000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-2.56540632	-2.56540608 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.39835	-0.39835 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	1	1	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-8.97840023	-8.97840023 ± 0.0024414	✓

## 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	✓



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DigHwTrqSENT\_Per2

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



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DigHwTrqSENT\_Per2

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

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DigHwTrqSENT\_Per2

## Test Step 3.59 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	13.7631998
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.97840023
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	12.4969997
DigHwTrqSENT_T1_HwNm_M_f32	-6.01669979
DigHwTrqSENT_T2_HwNm_M_f32	5.21999979
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-2.67600012
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.140499994
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.0290003
DigHwTrqSENT_TrqSum_HwNm_M_f32	-16.6709995
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	0
k_T1T2SSLim_HwNm_f32	7.43079996
k_T1T2TransFiltLim_HwNm_f32	5.71280003
k_T1vsT2TrqSum_HwNm_f32	12.8299999
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
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	✓

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DigHwTrqSENT\_Per2

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

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DigHwTrqSENT\_Per2

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

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DigHwTrqSENT\_Per2

## Test Step 3.62 (Repeat Count = 1) ✓

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

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

## 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 DETAILS REPORT

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DigHwTrqSENT\_Per2

## Test Step 3.63 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	13.7631998
DigHwTrqSENT_HwTrq_HwNm_M_f32	-9.39120007
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	20
DigHwTrqSENT_T1_HwNm_M_f32	-6.61810017
DigHwTrqSENT_T2_HwNm_M_f32	6.09800005
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.60800004
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.144700006
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.9209995
DigHwTrqSENT_TrqSum_HwNm_M_f32	-17.7329998
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	11.3249998
k_T1T2SSLim_HwNm_f32	7.77159977
k_T1T2TransFiltLim_HwNm_f32	5.97359991
k_T1vsT2TrqSum_HwNm_f32	13.6700001
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.19120049	-3.19120049 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-3.19120049	-3.19120049 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.260050058	-0.260049999 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_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 DETAILS REPORT

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DigHwTrqSENT\_Per2

Test Step 3.64 (Repeat Count = 1)				✓
Name	Input Value			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-1			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.97840023			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0			
DigHwTrqSENT_T1_HwNm_M_f32	-6.01669979			
DigHwTrqSENT_T2_HwNm_M_f32	5.21999979			
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-2.67600012			
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.140499994			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.0290003			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-16.6709995			
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT			
k_CMCLPFOutLim_HwNm_f32	11.5489998			
k_T1T2SSLim_HwNm_f32	7.43079996			
k_T1T2TransFiltLim_HwNm_f32	5.71280003			
k_T1vsT2TrqSum_HwNm_f32	12.8299999			
t_T1T2DepTrsTimecon_Hz_u6p10[0]	2028			
t_T1T2DepTrsTimecon_Hz_u6p10[1]	4055			
t_T1T2DepTrsTimecon_Hz_u6p10[2]	6083			
t_T1T2DepTrsTimecon_Hz_u6p10[3]	8110			
t_T1T2DepTrsTimecon_Hz_u6p10[4]	10138			
t_T1T2DepTrsTimecon_Hz_u6p10[5]	12165			
t_T1T2DepTrsTimecon_Hz_u6p10[6]	14193			
t_T1T2DepTrsTimecon_Hz_u6p10[7]	16220			
t_T1T2DepTrsTimecon_Hz_u6p10[8]	18248			
t_T1T2DepTrsTimecon_Hz_u6p10[9]	20275			
t_T1T2DepTrsTimecon_Hz_u6p10[10]	22303			
t_T1T2DepTrsTimecon_Hz_u6p10[11]	24330			
t_T1T2DepTrsTimecon_Hz_u6p10[12]	26358			
t_T1T2DepTrsTimecon_Hz_u6p10[13]	28385			
t_T1T2DepTrsTimecon_Hz_u6p10[14]	30413			
t_T1T2DepTrsTimecon_Hz_u6p10[15]	32440			
t_T1T2DepTrsTimecon_Hz_u6p10[16]	34468			
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	2232			
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	3523			
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	4813			
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	6103			
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	7393			
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	8684			
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	9974			
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	11264			
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	12554			
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	13844			
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	15135			
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	16425			
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	17715			
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	19005			
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	20296			
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	21586			
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	22876			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc			
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-2.56540632	-2.56540608 ± 0.000976	✓	
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.048556149	0.0485561527 ± 0.00000009	✓	
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-2.56540632	-2.56540608 ± 0.000976	✓	
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.39835	-0.39835 ± 0.000976	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓	
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	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 DETAILS REPORT

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DigHwTrqSENT\_Per2

## Test Step 3.65 (Repeat Count = 1)

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

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

## 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 DETAILS REPORT

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DigHwTrqSENT\_Per2

## Test Step 3.66 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-3
DigHwTrqSENT_HwTrq_HwNm_M_f32	-9.39120007
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-4.32000017
DigHwTrqSENT_T1_HwNm_M_f32	-6.61810017
DigHwTrqSENT_T2_HwNm_M_f32	6.09800005
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.60800004
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.144700006
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.9209995
DigHwTrqSENT_TrqSum_HwNm_M_f32	-17.7329998
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT
k_CMCLPFOutLim_HwNm_f32	11.9969997
k_T1T2SSLim_HwNm_f32	7.77159977
k_T1T2TransFiltLim_HwNm_f32	5.97359991
k_T1vsT2TrqSum_HwNm_f32	13.6700001
t_T1T2DepTrsTimecon_Hz_u6p10[0]	5417
t_T1T2DepTrsTimecon_Hz_u6p10[1]	7322
t_T1T2DepTrsTimecon_Hz_u6p10[2]	9226
t_T1T2DepTrsTimecon_Hz_u6p10[3]	11131
t_T1T2DepTrsTimecon_Hz_u6p10[4]	13036
t_T1T2DepTrsTimecon_Hz_u6p10[5]	14940
t_T1T2DepTrsTimecon_Hz_u6p10[6]	16845
t_T1T2DepTrsTimecon_Hz_u6p10[7]	18749
t_T1T2DepTrsTimecon_Hz_u6p10[8]	20654
t_T1T2DepTrsTimecon_Hz_u6p10[9]	22559
t_T1T2DepTrsTimecon_Hz_u6p10[10]	24463
t_T1T2DepTrsTimecon_Hz_u6p10[11]	26368
t_T1T2DepTrsTimecon_Hz_u6p10[12]	28273
t_T1T2DepTrsTimecon_Hz_u6p10[13]	30177
t_T1T2DepTrsTimecon_Hz_u6p10[14]	32082
t_T1T2DepTrsTimecon_Hz_u6p10[15]	33987
t_T1T2DepTrsTimecon_Hz_u6p10[16]	35891
t_T1T2IndTrsTimecon_HwNm_u5p11[0]	4792
t_T1T2IndTrsTimecon_HwNm_u5p11[1]	6144
t_T1T2IndTrsTimecon_HwNm_u5p11[2]	7496
t_T1T2IndTrsTimecon_HwNm_u5p11[3]	8847
t_T1T2IndTrsTimecon_HwNm_u5p11[4]	10199
t_T1T2IndTrsTimecon_HwNm_u5p11[5]	11551
t_T1T2IndTrsTimecon_HwNm_u5p11[6]	12902
t_T1T2IndTrsTimecon_HwNm_u5p11[7]	14254
t_T1T2IndTrsTimecon_HwNm_u5p11[8]	15606
t_T1T2IndTrsTimecon_HwNm_u5p11[9]	16957
t_T1T2IndTrsTimecon_HwNm_u5p11[10]	18309
t_T1T2IndTrsTimecon_HwNm_u5p11[11]	19661
t_T1T2IndTrsTimecon_HwNm_u5p11[12]	21012
t_T1T2IndTrsTimecon_HwNm_u5p11[13]	22364
t_T1T2IndTrsTimecon_HwNm_u5p11[14]	23716
t_T1T2IndTrsTimecon_HwNm_u5p11[15]	25068
t_T1T2IndTrsTimecon_HwNm_u5p11[16]	26419
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc	tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32	tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_TDiagFiltKSV_M_str.SV_Uls_f32	-3.19120049	-3.19120049 ± 0.000976	✓
DigHwTrqSENT_TDiagFiltKSV_M_str.K_Uls_f32	0.124493957	0.124493919 ± 0.0000009	✓
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-3.19120049	-3.19120049 ± 0.000976	✓
DigHwTrqSENT_TrqSum_HwNm_M_f32	-0.260050058	-0.260049999 ± 0.000976	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(NTC_Cnt_T_enum)	101	101	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Param_Cnt_T_u08)	1	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus(Status_Cnt_T_enum)	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrqValid_Cnt_lgc.value	0	0	✓
tgt_DigHwTrqSENT_Per2_SrlComHwTrq_HwNm_f32.value	-9.39120007	-9.39120007 ± 0.0024414	✓

## 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 DETAILS REPORT

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DigHwTrqSENT\_SCom\_TrimData



Project	CBD_DigHwTrqSENT
Module	DigHwTrqSENT_FLTINJ
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_ON -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include\TMS570_HerculesRegs -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS=-Dconst=-DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_ON -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include\TMS570_HerculesRegs -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'DigHwTrqSENT_FLTINJ'	*****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: 8/25/2014 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_ps.tpl

# TEST DETAILS REPORT

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DigHwTrqSENT\_SCom\_TrimData



Attributes	
Name	Value
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_DigHwTrqSENT\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

# TEST DETAILS REPORT

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DigHwTrqSENT\_SCom\_TrimData



## Test Case 1: Boundary Test

Specification	Performance Metrics: (With "None" instrumentation and WithPS Environment)
	CPU Cycles:  TS1.1 243.00 Cycles TS1.2 243.00 Cycles TS1.3 243.00 Cycles TS1.4 243.00 Cycles TS1.5 243.00 Cycles TS1.6 243.00 Cycles TS1.7 243.00 Cycles TS1.8 243.00 Cycles TS1.9 243.00 Cycles
Description	Vector Description:
	TS1.1 All Min TS1.2 All Max TS1.3 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32=Min TS1.4 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32=Max TS1.5 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32=Zero TS1.6 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32=Pos TS1.7 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32=Neg TS1.8 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc=True TS1.9 Rte_Pim_DigTrqTrim.Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc=False

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

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

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

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

### Test Step 1.3 (Repeat Count = 1)

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

### Test Step 1.4 (Repeat Count = 1)

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

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

## Test Step 1.5 (Repeat Count = 1)

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

## Test Step 1.6 (Repeat Count = 1)

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

## Test Step 1.7 (Repeat Count = 1)

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

## Test Step 1.8 (Repeat Count = 1)

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

## Test Step 1.9 (Repeat Count = 1)

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

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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	✓

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DigHwTrqSENT\_SCom\_ClrTrqTrim



Project	CBD_DigHwTrqSENT
Module	DigHwTrqSENT_FLTINJ
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_ON -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include\TMS570_HerculesRegs -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_ON -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include\TMS570_HerculesRegs -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'DigHwTrqSENT_FLTINJ'	*****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: 8/25/2014 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



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DigHwTrqSENT\_SCom\_ClrTrqTrim



Attributes	
Name	Value
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_DigHwTrqSENT\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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DigHwTrqSENT\_SCom\_ClrTrqTrim



## Test Case 1: Metrics Test

<b>Specification</b>	Performance Metrics: (With "None" instrumentation and WithPS Environment)  CPU Cycles:  TS1.1 1260.00 Cycles TS1.2 1261.00 Cycles
<b>Description</b>	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_MECCCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCCounter_Cnt_enum_data		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCCounter_Cnt_enum_data	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	✓

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DigHwTrqSENT\_SCom\_ClrTrqTrim



## Test Case 2: Boundary Test

### Specification

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

CPU Cycles:

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

### Description

Vector Description:

TS2.1 MECCounter\_Cnt\_enum = ProductionMode  
TS2.2 MECCounter\_Cnt\_enum = EngineeringMode  
TS2.3 MECCounter\_Cnt\_enum = ManufacturingMode  
TS2.4 Rte\_Pim\_DigTrqTrim.Pim\_DigTrqTrim.k\_EOLHwTrqTrimPerformed\_Cnt\_Lgc =Min  
TS2.5 Rte\_Pim\_DigTrqTrim.Pim\_DigTrqTrim.k\_EOLHwTrqTrimPerformed\_Cnt\_Lgc =Max  
TS2.6 All Min  
TS2.7 All Max

## Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_MECCCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCCounter_Cnt_enum_data		
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCCounter_Cnt_enum_data	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

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DigHwTrqSENT\_SCom\_ClrTrqTrim

Name	Input Value
Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum(data)	tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim
tgt_Rte_Read_Sa_DigHwTrqSENT_MECCounter_Cnt_enum_data	1

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

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	✓

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DigHwTrqSENT\_SCom\_ClrTrqTrim

## Test Step 2.6 (Repeat Count = 1)

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

## 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

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DigHwTrqSENT\_Per1



Project	CBD_DigHwTrqSENT
Module	DigHwTrqSENT_FLTINJ
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_ON -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include\TMS570_HerculesRegs -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_ON -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include\TMS570_HerculesRegs -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'DigHwTrqSENT_FLTINJ'	*****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: 8/25/2014 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

# TEST DETAILS REPORT

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DigHwTrqSENT\_Per1



Attributes	
Name	Value
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_DigHwTrqSENT\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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DigHwTrqSENT\_Per1

## Test Case 1: Metrics Test

Specification	Performance Metrics: (With "None" instrumentation and WithPS Environment)
	CPU Cycles: TC 1.1 856.00 Cycles TC 1.2 860.00 Cycles
Description	Vector Description:  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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	7.47200012		
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_f32	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 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	7.47200012	7.47200012 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	7.47200012	7.47200012 ± 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	5.08699989		
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_f32	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	1.44683909	1.44683909 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	1.44683909	1.44683909 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	5.08699989	5.08699989 ± 0.00048828125	✔



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DigHwTrqSENT\_Per1

Name	Actual Value	Expected Value	Result
DigHwTrqSENT_T2_HwNm_M_f32	5.08699989	5.08699989 ± 0.00048828125	✓
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	1.44683909	1.44683909 ± 0.0024414	✓
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	1.44683909	1.44683909 ± 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:

TC2.1 863.00 Cycles  
TC2.2 859.00 Cycles  
TC2.3 858.00 Cycles  
TC2.4 858.00 Cycles  
TC2.5 858.00 Cycles  
TC2.6 858.00 Cycles  
TC2.7 858.00 Cycles  
TC2.8 852.00 Cycles  
TC2.9 859.00 Cycles  
TC2.10 858.00 Cycles  
TC2.11 858.00 Cycles  
TC2.12 858.00 Cycles  
TC2.13 852.00 Cycles  
TC2.14 859.00 Cycles  
TC2.15 852.00 Cycles  
TC2.16 859.00 Cycles  
TC2.17 858.00 Cycles  
TC2.18 858.00 Cycles  
TC2.19 858.00 Cycles  
TC2.20 858.00 Cycles  
TC2.21 858.00 Cycles  
TC2.22 858.00 Cycles  
TC2.23 858.00 Cycles  
TC2.24 858.00 Cycles  
TC2.25 858.00 Cycles  
TC2.26 858.00 Cycles  
TC2.27 858.00 Cycles  
TC2.28 858.00 Cycles  
TC2.29 858.00 Cycles  
TC2.30 858.00 Cycles  
TC2.31 858.00 Cycles  
TC2.32 858.00 Cycles  
TC2.33 858.00 Cycles  
TC2.34 858.00 Cycles  
TC2.35 858.00 Cycles  
TC2.36 858.00 Cycles  
TC2.37 858.00 Cycles  
TC2.38 858.00 Cycles  
TC2.39 858.00 Cycles  
TC2.40 858.00 Cycles  
TC2.41 852.00 Cycles  
TC2.42 858.00 Cycles  
TC2.43 852.00 Cycles  
TC2.44 859.00 Cycles  
TC2.45 858.00 Cycles

## Description

Vector Description:

TC2.1All Min  
TC2.2All Max  
TC2.3T1\_HwNm\_f32 = Min  
TC2.4T1\_HwNm\_f32 = Max  
TC2.5T1\_HwNm\_f32 = Zero  
TC2.6T1\_HwNm\_f32 = Pos  
TC2.7T1\_HwNm\_f32 = Neg  
TC2.8T2\_HwNm\_f32 = Min  
TC2.9T2\_HwNm\_f32 = Max  
TC2.10T2\_HwNm\_f32 = Zero  
TC2.11T2\_HwNm\_f32 = Pos  
TC2.12T2\_HwNm\_f32 = Neg  
TC2.13DigHwTrqSENT\_T1\_HwNm\_M\_f32 = Min  
TC2.14DigHwTrqSENT\_T1\_HwNm\_M\_f32 = Max  
TC2.15DigHwTrqSENT\_T1\_HwNm\_M\_f32 = Zero  
TC2.16DigHwTrqSENT\_T1\_HwNm\_M\_f32 = Pos  
TC2.17DigHwTrqSENT\_T1\_HwNm\_M\_f32 = Neg  
TC2.18DigHwTrqSENT\_T2\_HwNm\_M\_f32 = Min  
TC2.19DigHwTrqSENT\_T2\_HwNm\_M\_f32 = Max  
TC2.20DigHwTrqSENT\_T2\_HwNm\_M\_f32 = Zero  
TC2.21DigHwTrqSENT\_T2\_HwNm\_M\_f32 = Pos  
TC2.22DigHwTrqSENT\_T2\_HwNm\_M\_f32 = Neg  
TC2.23Rte\_Pim\_DigTrqTrim.Pim\_DigTrqTrim.k\_EOLHwTrqTrim\_HwNm\_f32 = Min  
TC2.24Rte\_Pim\_DigTrqTrim.Pim\_DigTrqTrim.k\_EOLHwTrqTrim\_HwNm\_f32 = Max  
TC2.25Rte\_Pim\_DigTrqTrim.Pim\_DigTrqTrim.k\_EOLHwTrqTrim\_HwNm\_f32 = Zero  
TC2.26Rte\_Pim\_DigTrqTrim.Pim\_DigTrqTrim.k\_EOLHwTrqTrim\_HwNm\_f32 = Pos  
TC2.27Rte\_Pim\_DigTrqTrim.Pim\_DigTrqTrim.k\_EOLHwTrqTrim\_HwNm\_f32 = Neg  
TC2.28DigHwTrqSENT\_DigHwTrqKSV\_M\_str.SV = Min  
TC2.29DigHwTrqSENT\_DigHwTrqKSV\_M\_str.SV = Max  
TC2.30DigHwTrqSENT\_DigHwTrqKSV\_M\_str.SV = Zero  
TC2.31DigHwTrqSENT\_DigHwTrqKSV\_M\_str.SV = Pos  
TC2.32DigHwTrqSENT\_DigHwTrqKSV\_M\_str.SV = Neg  
TC2.33DigHwTrqSENT\_DigHwTrqKSV\_M\_str.K = Min  
TC2.34DigHwTrqSENT\_DigHwTrqKSV\_M\_str.K = Max  
TC2.35DigHwTrqSENT\_DigHwTrqKSV\_M\_str.K = Pos  
TC2.36DigHwTrqSENT\_HwTrq\_HwNm\_M\_f32 = Min  
TC2.37DigHwTrqSENT\_HwTrq\_HwNm\_M\_f32 = Max  
TC2.38DigHwTrqSENT\_HwTrq\_HwNm\_M\_f32 = Zero  
TC2.39DigHwTrqSENT\_HwTrq\_HwNm\_M\_f32 = Pos  
TC2.40DigHwTrqSENT\_HwTrq\_HwNm\_M\_f32 = Neg  
TC2.41Rte\_Call\_FltInjection\_SCom\_FltInjection = Min  
TC2.42Rte\_Call\_FltInjection\_SCom\_FltInjection = Max  
TC2.43Rte\_Call\_FltInjection\_SCom\_FltInjection = Zero  
TC2.44Rte\_Call\_FltInjection\_SCom\_FltInjection = Pos  
TC2.45Rte\_Call\_FltInjection\_SCom\_FltInjection = Neg

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DigHwTrqSENT\_Per1

## 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		
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	-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_f32	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 ± 0.00048828125	✓
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	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_f32	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 ± 0.00048828125	✔
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	✓

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DigHwTrqSENT\_Per1

## 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	5.08699989
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_f32	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	1.44683909	1.44683909 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	1.44683909	1.44683909 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	5.08699989	5.08699989 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	5.08699989	5.08699989 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	1.44683909	1.44683909 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	1.44683909	1.44683909 ± 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	5.56400013		
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_f32	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	-2.18810654	-2.18810654 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-2.18810654	-2.18810654 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	5.56400013	5.56400013 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	5.56400013	5.56400013 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	-2.18810654	-2.18810654 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-2.18810654	-2.18810654 ± 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	✓

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DigHwTrqSENT\_Per1

## 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	6.04099989
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_f32	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	6.32569218	6.32569218 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	6.32569218	6.32569218 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	6.04099989	6.04099989 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	6.04099989	6.04099989 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	6.32569218	6.32569218 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	6.32569218	6.32569218 ± 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	6.51800013		
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_f32	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	-6.38354588	-6.38354588 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-6.38354588	-6.38354588 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	6.51800013	6.51800013 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	6.51800013	6.51800013 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-6.38354588	-6.38354588 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-6.38354588	-6.38354588 ± 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	✓

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DigHwTrqSENT\_Per1

## 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	-8.69999981		
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_f32	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	5.43738747	5.43738747 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.43738747	5.43738747 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-8.69999981	-8.69999981 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-8.69999981	-8.69999981 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChWTorque_HwNm_f32.value	5.43738747	5.43738747 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	5.43738747	5.43738747 ± 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	7.47200012		
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_f32	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 ± 0.00048828125	✓
DigHwTrqSENT_T1_HwNm_M_f32	7.47200012	7.47200012 ± 0.00048828125	✓
DigHwTrqSENT_T2_HwNm_M_f32	7.47200012	7.47200012 ± 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	✓

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DigHwTrqSENT\_Per1

## 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	-8.80000019		
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_f32	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	4.98082924	4.98082829 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	4.98082924	4.98082829 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-8.80000019	-8.80000019 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-8.80000019	-8.80000019 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChWTorque_HwNm_f32.value	4.98082924	4.98082829 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	4.98082924	4.98082829 ± 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	8.42599964		
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_f32	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	-9.76300144	-9.76300144 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-9.76300144	-9.76300144 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	8.42599964	8.42599964 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	8.42599964	8.42599964 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	-9.76300144	-9.76300144 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-9.76300144	-9.76300144 ± 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	✓

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DigHwTrqSENT\_Per1

## 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	8.90299988
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_f32	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	5.99843168	5.99843168 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.99843168	5.99843168 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	8.90299988	8.90299988 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	8.90299988	8.90299988 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	5.99843168	5.99843168 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	5.99843168	5.99843168 ± 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		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-1.07500005		
DigHwTrqSENT_T1_HwNm_M_f32	9.38000011		
DigHwTrqSENT_T2_HwNm_M_f32	6.3263998		
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	9.38000011		
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_f32	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	4.03549004	4.03549051 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	4.03549004	4.03549051 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	9.38000011	9.38000011 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	9.38000011	9.38000011 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	4.03549004	4.03549051 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	4.03549004	4.03549051 ± 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	✓



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DigHwTrqSENT\_Per1

## 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	-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_f32	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	8.29923248	8.29923248 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.29923248	8.29923248 ± 0.00048828125	✔
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	8.29923248	8.29923248 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	8.29923248	8.29923248 ± 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S
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
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	6.04570007
tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	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_f32	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	-12.7649727	-12.7649727 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-10	-10 ± 0.00048828125	✔
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	✓

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DigHwTrqSENT\_Per1

## 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	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_f32	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	7.15664101	7.15664053 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	7.15664101	7.15664053 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	0	0 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	7.15664101	7.15664053 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	7.15664101	7.15664053 ± 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	7.28000021		
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_f32	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	-5.31121445	-5.31121492 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-5.31121445	-5.31121492 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	7.28000021	7.28000021 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	7.28000021	7.28000021 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	-5.31121445	-5.31121492 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-5.31121445	-5.31121492 ± 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	✓

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DigHwTrqSENT\_Per1

## 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	-7.51999998
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_f32	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	1.57927036	1.57927072 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	1.57927036	1.57927072 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-7.51999998	-7.51999998 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-7.51999998	-7.51999998 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	1.57927036	1.57927072 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	1.57927036	1.57927072 ± 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		
DigHwTrqSENT_T2_HwNm_M_f32	-10		
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	2.09870005		
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_f32	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	-8.83712864	-8.83712864 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.83712864	-8.83712864 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	2.09870005	2.09870005 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	2.09870005	2.09870005 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-8.83712864	-8.83712864 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-8.83712864	-8.83712864 ± 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	✓

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DigHwTrqSENT\_Per1

## 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	2.34500003
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_f32	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	6.94355774	6.94355726 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	6.94355774	6.94355726 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	2.34500003	2.34500003 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	2.34500003	2.34500003 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChWTorque_HwNm_f32.value	6.94355774	6.94355726 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	6.94355774	6.94355726 ± 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	2.59130001		
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_f32	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	-2.20769787	-2.20769811 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-2.20769787	-2.20769811 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	2.59130001	2.59130001 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	2.59130001	2.59130001 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChWTorque_HwNm_f32.value	-2.20769787	-2.20769811 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-2.20769787	-2.20769811 ± 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	✓

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DigHwTrqSENT\_Per1

## 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	2.83759999		
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_f32	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	-3.36970329	-3.36970353 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-3.36970329	-3.36970353 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	2.83759999	2.83759999 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	2.83759999	2.83759999 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	-3.36970329	-3.36970353 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-3.36970329	-3.36970353 ± 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	3.08389997		
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_f32	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	-7.16537571	-7.16537523 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-7.16537571	-7.16537523 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	3.08389997	3.08389997 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	3.08389997	3.08389997 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	-7.16537571	-7.16537523 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-7.16537571	-7.16537523 ± 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	✓

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DigHwTrqSENT\_Per1

## 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	3.33019996		
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_f32	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	12.049159	12.049159 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	10	10 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	3.33019996	3.33019996 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	3.33019996	3.33019996 ± 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 2.24 (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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	3.57649994		
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_f32	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	-3.95536995	-3.95536995 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-3.95536995	-3.95536995 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	3.57649994	3.57649994 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	3.57649994	3.57649994 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	-3.95536995	-3.95536995 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-3.95536995	-3.95536995 ± 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	✓

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DigHwTrqSENT\_Per1

## 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	-6.80000019		
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_f32	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	0.808104038	0.808104038 ± 0.00048828125	✓
DigHwTrqSENT_HwTrq_HwNm_M_f32	0.808104038	0.808104038 ± 0.00048828125	✓
DigHwTrqSENT_T1_HwNm_M_f32	-6.80000019	-6.80000019 ± 0.00048828125	✓
DigHwTrqSENT_T2_HwNm_M_f32	-6.80000019	-6.80000019 ± 0.00048828125	✓
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	0.808104038	0.808104038 ± 0.0024414	✓
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	0.808104038	0.808104038 ± 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	-7.80000019		
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_f32	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	-0.478593826	-0.478594482 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-0.478593826	-0.478594482 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-7.80000019	-7.80000019 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-7.80000019	-7.80000019 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	-0.478593826	-0.478594482 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-0.478593826	-0.478594482 ± 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	✓



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DigHwTrqSENT\_Per1

## 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	-8.80000019		
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_f32	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	4.43403482	4.43403482 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	4.43403482	4.43403482 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-8.80000019	-8.80000019 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-8.80000019	-8.80000019 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	4.43403482	4.43403482 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	4.43403482	4.43403482 ± 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	-9.80000019		
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_f32	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	-8.08397579	-8.08397675 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.08397579	-8.08397675 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-9.80000019	-9.80000019 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-9.80000019	-9.80000019 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-8.08397579	-8.08397675 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-8.08397579	-8.08397675 ± 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	✓



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DigHwTrqSENT\_Per1

## Test Step 2.29 (Repeat Count = 1)

Name	Input Value	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	20	-3.58777237	-3.58777142 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.886825025	-3.58777237	-3.58777142 ± 0.00048828125	✓
DigHwTrqSENT_HwTrq_HwNm_M_f32	-6.55900002	4.80800009	4.80800009 ± 0.00048828125	✓
DigHwTrqSENT_T1_HwNm_M_f32	4.80800009	4.80800009	4.80800009 ± 0.00048828125	✓
DigHwTrqSENT_T2_HwNm_M_f32	6.25019979	4.80800009	4.80800009 ± 0.00048828125	✓
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32	-3.58777142 ± 0.0024414	✓
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32	-3.58777237	✓
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	-5.5	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32	-3.58777237	✓
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	-7.30000019	tgt_Pim_DigTrqTrim	-3.58777237	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	6.59800005			
tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	4.80800009			
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_f32	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			

## 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	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	-6.51077271	-6.51077271 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.916751981	-6.51077271	-6.51077271 ± 0.00048828125	✓
DigHwTrqSENT_HwTrq_HwNm_M_f32	7.01599979	5.05429983	5.05429983 ± 0.00048828125	✓
DigHwTrqSENT_T1_HwNm_M_f32	5.05429983	5.05429983	5.05429983 ± 0.00048828125	✓
DigHwTrqSENT_T2_HwNm_M_f32	6.60890007	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32	-6.51077271 ± 0.0024414	✓
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	tgt_DigHwTrqSENT_Per1_T1_HwNm_f32	-6.51077271	✓
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT	tgt_DigHwTrqSENT_Per1_T2_HwNm_f32	-6.51077271	✓
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	2.86680007	tgt_Pim_DigTrqTrim		
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	-8			
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	7.10200024			
tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	5.05429983			
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_f32	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			

## 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	✓

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DigHwTrqSENT\_Per1

## Test Step 2.31 (Repeat Count = 1)

Name	Input Value	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	10.5200005	-6.63950157	-6.63950348 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.946678996	-6.63950157	-6.63950348 ± 0.00048828125	✓
DigHwTrqSENT_HwTrq_HwNm_M_f32	-7.47300005	5.30060005	5.30060005 ± 0.00048828125	✓
DigHwTrqSENT_T1_HwNm_M_f32	5.30060005	5.30060005	5.30060005 ± 0.00048828125	✓
DigHwTrqSENT_T2_HwNm_M_f32	6.96759987	5.30060005	5.30060005 ± 0.00048828125	✓
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32	-6.63950348 ± 0.0024414	✓
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT	-6.63950157	-6.63950348 ± 0.0024414	✓
tgt_DigHwTrqSENT_Per1_T1_HwNm_f32.value	3.08419991			
tgt_DigHwTrqSENT_Per1_T2_HwNm_f32.value	-8.69999981			
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	7.60599995			
tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	5.30060005			
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_f32	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			

## 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	Actual Value	Expected Value	Result
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-10.1199999	6.94992161	6.94992208 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.916751981	6.94992161	6.94992208 ± 0.00048828125	✓
DigHwTrqSENT_HwTrq_HwNm_M_f32	7.92999983	5.5468998	5.5468998 ± 0.00048828125	✓
DigHwTrqSENT_T1_HwNm_M_f32	5.5468998	5.5468998	5.5468998 ± 0.00048828125	✓
DigHwTrqSENT_T2_HwNm_M_f32	-3.5999999	5.5468998	5.5468998 ± 0.00048828125	✓
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32	-6.94992208 ± 0.0024414	✓
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT	6.94992161	6.94992208 ± 0.0024414	✓
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	5.5468998			
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_f32	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			

## 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	✓

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DigHwTrqSENT\_Per1

## 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	-5.9000001		
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_f32	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 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-5.9000001	-5.9000001 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-5.9000001	-5.9000001 ± 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	6.03950024		
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_f32	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	0.973855972	0.973855793 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	0.973855972	0.973855793 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	6.03950024	6.03950024 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	6.03950024	6.03950024 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	0.973855972	0.973855793 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	0.973855972	0.973855793 ± 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	✓

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DigHwTrqSENT\_Per1

## 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		
DigHwTrqSENT_T2_HwNm_M_f32	8.40240002		
Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	6.28579998		
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_f32	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	-11.9552927	-11.9552927 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-10	-10 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	6.28579998	6.28579998 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	6.28579998	6.28579998 ± 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	6.5321002		
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_f32	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	-5.31121445	-5.31121492 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-5.31121445	-5.31121492 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	6.5321002	6.5321002 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	6.5321002	6.5321002 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-5.31121445	-5.31121492 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-5.31121445	-5.31121492 ± 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	✓

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DigHwTrqSENT\_Per1

## 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	6.77839994		
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_f32	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	1.57927036	1.57927072 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	1.57927036	1.57927072 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	6.77839994	6.77839994 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	6.77839994	6.77839994 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	1.57927036	1.57927072 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	1.57927036	1.57927072 ± 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	2.09870005		
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_f32	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	-8.83712864	-8.83712864 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.83712864	-8.83712864 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	2.09870005	2.09870005 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	2.09870005	2.09870005 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	-8.83712864	-8.83712864 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-8.83712864	-8.83712864 ± 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	✓

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DigHwTrqSENT\_Per1

## 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	2.34500003		
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_f32	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	6.94355774	6.94355726 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	6.94355774	6.94355726 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	2.34500003	2.34500003 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	2.34500003	2.34500003 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	6.94355774	6.94355726 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	6.94355774	6.94355726 ± 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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	2.59130001		
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_f32	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	-2.20769787	-2.20769811 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-2.20769787	-2.20769811 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	2.59130001	2.59130001 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	2.59130001	2.59130001 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	-2.20769787	-2.20769811 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-2.20769787	-2.20769811 ± 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	✓

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DigHwTrqSENT\_Per1

## Test Step 2.41 (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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	-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_f32	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	8.29923248	8.29923248 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.29923248	8.29923248 ± 0.00048828125	✔
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	8.29923248	8.29923248 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	8.29923248	8.29923248 ± 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 2.42 (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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S
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
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrim_HwNm_f32	6.04570007
tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	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_f32	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	-12.7649727	-12.7649727 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-10	-10 ± 0.00048828125	✔
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	✓



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DigHwTrqSENT\_Per1

## Test Step 2.43 (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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	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_f32	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	7.15664101	7.15664053 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	7.15664101	7.15664053 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	0	0 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	7.15664101	7.15664053 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	7.15664101	7.15664053 ± 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 2.44 (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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	7.28000021		
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_f32	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	-5.31121445	-5.31121492 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	-5.31121445	-5.31121492 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	7.28000021	7.28000021 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	7.28000021	7.28000021 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysCHwTorque_HwNm_f32.value	-5.31121445	-5.31121492 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	-5.31121445	-5.31121492 ± 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 DETAILS REPORT

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DigHwTrqSENT\_Per1

## Test Step 2.45 (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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S		
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_Call_Sa_DigHwTrqSENT_FaultInjection_SCom_FltInjection_S	-7.51999998		
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_f32	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	1.57927036	1.57927072 ± 0.00048828125	✔
DigHwTrqSENT_HwTrq_HwNm_M_f32	1.57927036	1.57927072 ± 0.00048828125	✔
DigHwTrqSENT_T1_HwNm_M_f32	-7.51999998	-7.51999998 ± 0.00048828125	✔
DigHwTrqSENT_T2_HwNm_M_f32	-7.51999998	-7.51999998 ± 0.00048828125	✔
target_DigHwTrqSENT_Per1_SysChwTorque_HwNm_f32.value	1.57927036	1.57927072 ± 0.0024414	✔
tgt_DigHwTrqSENT_Per1_HwTorque_HwNm_f32.value	1.57927036	1.57927072 ± 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 DETAILS REPORT

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DigHwTrqSENT\_Init1



Project	CBD_DigHwTrqSENT
Module	DigHwTrqSENT_FLTINJ
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_ON -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include\TMS570_HerculesRegs -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_ON -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include\TMS570_HerculesRegs -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'DigHwTrqSENT_FLTINJ'	*****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: 8/25/2014 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

# TEST DETAILS REPORT

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DigHwTrqSENT\_Init1



Attributes	
Name	Value
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_DigHwTrqSENT\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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DigHwTrqSENT\_Init1



## Test Case 1: Metrics Test

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

## Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	13		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.101450004		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-6.67999983		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	6		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.444099993		
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32	13		
DigHwTrqSENT_SSFIltKSV_M_str.K_Uls_f32	0.559000015		
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	0.648999989		
k_T1T2SSLPFFc_Hz_f32	4.88199997		
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	-6.67999983 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.334873974	0.334873974 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-6.67999983	-6.67999983 ± 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	0.953460395 ± 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	0.412950009
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	18.6299992
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-1
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.755599976
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32	-15
DigHwTrqSENT_SSFIltKSV_M_str.K_Uls_f32	0.319499999
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	11.3800001

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DigHwTrqSENT\_Init1

Name	Input Value		
k_T1T2CMCLPFFc_Hz_f32	8.58399963		
k_T1T2SSLPFFc_Hz_f32	8.69099998		
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	18.6299992 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.995453894	0.995453894 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	18.6299992	18.6299992 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.133250535	0.13325052 ± 0.0000009	✔
DigHwTrqSENT_SSDFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSDFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSDFiltKSV_M_str.K_Uls_f32	0.995749474	0.995749474 ± 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	
<b>Specification</b>	<p>Performance Metrics: (With "None" instrumentation and WithPS Environment)</p> <p>CPU Cycles:</p> <p>TS2.1 8240.00 Cycles TS2.2 8241.00 Cycles</p>
<b>Description</b>	<p>Vector Description:</p> <p>TS2.1 (NVM_REQ_OK &lt;&gt; NvMBIkStatus_Cnt_T_u8) ==&gt; TRUE TS2.2 (NVM_REQ_OK &lt;&gt; NvMBIkStatus_Cnt_T_u8) ==&gt; FALSE</p>

Test Step 2.1 (Repeat Count = 1)				
Name		Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32		-20		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32		0.381799996		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32		-9.98900032		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		0		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.724449992		
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32		5		
DigHwTrqSENT_SSFIltKSV_M_str.K_Uls_f32		0.288349986		
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		177.968002		
k_T1T2CMCLPFFc_Hz_f32		0.578000009		
k_T1T2SSLPFFc_Hz_f32		3.53999996		
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	-9.98900032 ± 0.000976	✔	
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.304530501	0.304530501 ± 0.0000009	✔	
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-9.98900032	-9.98900032 ± 0.000976	✔	
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔	
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.893158853	0.893158793 ± 0.0000009	✔	
DigHwTrqSENT_SSDFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔	
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔	

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Name	Actual Value	Expected Value	Result
DigHwTrqSENT_SSFilltKSV_M_str.K_Uls_f32	0.891851246	0.891851246 ± 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		0.412950009		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32		18.6299992		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		-1		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.755599976		
DigHwTrqSENT_SSFilltKSV_M_str.SV_Uls_f32		-15		
DigHwTrqSENT_SSFilltKSV_M_str.K_Uls_f32		0.319499999		
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		11.3800001		
k_T1T2CMCLPFFc_Hz_f32		8.58399963		
k_T1T2SSLPFFc_Hz_f32		8.69099998		
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	18.6299992 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32		0.995453894	0.995453894 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32		18.6299992	18.6299992 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.133250535	0.13325052 ± 0.0000009	✓
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32		0	0 ± 0.000976	✓
DigHwTrqSENT_SSFilltKSV_M_str.SV_Uls_f32		0	0 ± 0.000976	✓
DigHwTrqSENT_SSFilltKSV_M_str.K_Uls_f32		0.995749474	0.995749474 ± 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: Boundary Test

## Specification

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

CPU Cycles:

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

## Description

Vector Description:

TS3.1 All Min  
TS3.2 All Max  
TS3.3 k\_HwTrqLPFFc\_Hz\_f32==>Min  
TS3.4 k\_HwTrqLPFFc\_Hz\_f32==>Max  
TS3.5 k\_HwTrqLPFFc\_Hz\_f32==>Pos  
TS3.6 k\_T1T2SSLPFFc\_Hz\_f32==>Min  
TS3.7 k\_T1T2SSLPFFc\_Hz\_f32==>Max  
TS3.8 k\_T1T2SSLPFFc\_Hz\_f32==>Pos  
TS3.9 DigHwTrqSENT\_DigHwTrqKSV\_M\_str.SV==>Min  
TS3.10 DigHwTrqSENT\_DigHwTrqKSV\_M\_str.SV==>Max  
TS3.11 DigHwTrqSENT\_DigHwTrqKSV\_M\_str.SV==>Pos  
TS3.12 DigHwTrqSENT\_DigHwTrqKSV\_M\_str.SV==>Zero  
TS3.13 DigHwTrqSENT\_DigHwTrqKSV\_M\_str.SV==>Neg  
TS3.14 DigHwTrqSENT\_DigHwTrqKSV\_M\_str.K==>Min  
TS3.15 DigHwTrqSENT\_DigHwTrqKSV\_M\_str.K==>Max  
TS3.16 DigHwTrqSENT\_DigHwTrqKSV\_M\_str.K==>Pos  
TS3.17 DigHwTrqSENT\_SSFiltKSV\_M\_str.SV==>Min  
TS3.18 DigHwTrqSENT\_SSFiltKSV\_M\_str.SV==>Max  
TS3.19 DigHwTrqSENT\_SSFiltKSV\_M\_str.SV==>Pos  
TS3.20 DigHwTrqSENT\_SSFiltKSV\_M\_str.SV==>Zero  
TS3.21 DigHwTrqSENT\_SSFiltKSV\_M\_str.SV==>Neg  
TS3.22 DigHwTrqSENT\_SSFiltKSV\_M\_str.K==>Min  
TS3.23 DigHwTrqSENT\_SSFiltKSV\_M\_str.K==>Max  
TS3.24 DigHwTrqSENT\_SSFiltKSV\_M\_str.K==>Pos  
TS3.25 DigHwTrqSENT\_CMCFiltSV\_HwNm\_M\_f32==>Min  
TS3.26 DigHwTrqSENT\_CMCFiltSV\_HwNm\_M\_f32==>Max  
TS3.27 DigHwTrqSENT\_CMCFiltSV\_HwNm\_M\_f32==>Pos  
TS3.28 DigHwTrqSENT\_CMCFiltSV\_HwNm\_M\_f32==>Zero  
TS3.29 DigHwTrqSENT\_CMCFiltSV\_HwNm\_M\_f32==>Neg  
TS3.30 k\_T1T2CMCLPFFc\_Hz\_f32==>Min  
TS3.31 k\_T1T2CMCLPFFc\_Hz\_f32==>Max  
TS3.32 k\_T1T2CMCLPFFc\_Hz\_f32==>Pos  
TS3.33 DigHwTrqSENT\_CMCFiltKSV\_M\_str.SV==>Min  
TS3.34 DigHwTrqSENT\_CMCFiltKSV\_M\_str.SV==>Max  
TS3.35 DigHwTrqSENT\_CMCFiltKSV\_M\_str.SV==>Pos  
TS3.36 DigHwTrqSENT\_CMCFiltKSV\_M\_str.SV==>Zero  
TS3.37 DigHwTrqSENT\_CMCFiltKSV\_M\_str.SV==>Neg  
TS3.38 DigHwTrqSENT\_CMCFiltKSV\_M\_str.K==>Min  
TS3.39 DigHwTrqSENT\_CMCFiltKSV\_M\_str.K==>Max  
TS3.40 DigHwTrqSENT\_CMCFiltKSV\_M\_str.K==>Pos  
TS3.41 MECCounter\_Cnt\_enum==>ProductionMode  
TS3.42 MECCounter\_Cnt\_enum==>EngineeringMode  
TS3.43 MECCounter\_Cnt\_enum==>ManufacturingMode  
TS3.44 GetErrorStatus ==> Min  
TS3.45 GetErrorStatus ==> Max  
TS3.46 GetErrorStatus ==> Pos

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DigHwTrqSENT\_Init1

## Test Step 3.1 (Repeat Count = 1) ✓

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

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

## 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	0.998132586
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	20
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	20
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.998132586
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	20
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.998132586
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	0.998132586 ± 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	0.998132586 ± 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	0.998132586 ± 0.0000009	✓



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DigHwTrqSENT\_Init1

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

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		0.101450004		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32		-6.67999983		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		6		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.444099993		
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32		13		
DigHwTrqSENT_SSFIltKSV_M_str.K_Uls_f32		0.559000015		
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		0.648999989		
k_T1T2SSLPFFc_Hz_f32		4.88199997		
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	-6.67999983 ± 0.000976	✔	
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.334873974	0.334873974 ± 0.0000009	✔	
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-6.67999983	-6.67999983 ± 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_SS DiagFiltOut_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	0.953460395 ± 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	0.132599995			
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	20			
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-9			
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.475250006			
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32	9.10000038			
DigHwTrqSENT_SSFIltKSV_M_str.K_Uls_f32	0.60799998			
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS			

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DigHwTrqSENT\_Init1

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	500		
k_T1T2CMCLPFFc_Hz_f32	1.66400003		
k_T1T2SSLPFFc_Hz_f32	3.00239992		
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_CMCFltKSV_M_str.SV_Uls_f32	20	20 ± 0.000976	✔
DigHwTrqSENT_CMCFltKSV_M_str.K_Uls_f32	0.64849174	0.64849174 ± 0.0000009	✔
DigHwTrqSENT_CMCFltOut_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	0.998132586 ± 0.0000009	✔
DigHwTrqSENT_SSFltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFltKSV_M_str.K_Uls_f32	0.848392963	0.848392963 ± 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_CMCFltKSV_M_str.SV_Uls_f32		12		
DigHwTrqSENT_CMCFltKSV_M_str.K_Uls_f32		0.163749993		
DigHwTrqSENT_CMCFltSV_HwNm_M_f32		3.74070001		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		12		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.506399989		
DigHwTrqSENT_SSFltKSV_M_str.SV_Uls_f32		16		
DigHwTrqSENT_SSFltKSV_M_str.K_Uls_f32		0.657000005		
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		83.1200027		
k_T1T2CMCLPFFc_Hz_f32		3.47399998		
k_T1T2SSLPFFc_Hz_f32		9.59799957		
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_CMCFltKSV_M_str.SV_Uls_f32		3.74070001	3.74070001 ± 0.000976	✔
DigHwTrqSENT_CMCFltKSV_M_str.K_Uls_f32		0.88727212	0.88727212 ± 0.0000009	✔
DigHwTrqSENT_CMCFltOut_HwNm_M_f32		3.74070001	3.74070001 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.648138285	0.648138165 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFltOut_HwNm_M_f32		0	0 ± 0.000976	✔
DigHwTrqSENT_SSFltKSV_M_str.SV_Uls_f32		0	0 ± 0.000976	✔
DigHwTrqSENT_SSFltKSV_M_str.K_Uls_f32		0.997595966	0.997595966 ± 0.0000009	✔
NTC		0x0C	0x0C	✔
Param		0x02	0x02	✔
Status		0x01	0x01	✔
NTC		0xFB	0xFB	✔
Param		0x01	0x01	✔
Status		0x01	0x01	✔

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## 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 3.6 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-3
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.194900006
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	1.58990002
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-12.1000004
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.537549973
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-11
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.101450004
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	72.6800003
k_T1T2CMCLPFFc_Hz_f32	4.79209995
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	1.58990002 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.950755894	0.950755894 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	1.58990002	1.58990002 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.598811507	0.598811448 ± 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_GetErrorSt	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

## Test Step 3.7 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	2
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.226050004
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-14.5
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	6
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.568700016
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-6
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.132599995
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	75.788002
k_T1T2CMCLPFFc_Hz_f32	4.6500001
k_T1T2SSLPFFc_Hz_f32	10
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	2
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	34
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum

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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	0.946156919 ± 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	0.61417836 ± 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	0.998132586 ± 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	0.257200003		
DigHwTrqSENT_CMCfiltSV_HwNm_M_f32	16.8449993		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-14		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.599849999		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	2.20000005		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.163749993		
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	9.42039967		
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	16.8449993 ± 0.000976	✔
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.997312129	0.997312129 ± 0.0000009	✔
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32	16.8449993	16.8449993 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.913156211	0.913156152 ± 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	0.980297148 ± 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	✓

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## 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	0.288349986
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-18.7199993
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-20
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.630999982
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-6.5
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.194900006
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	3.51799989
k_T1T2CMCLPFFc_Hz_f32	0.618910015
k_T1T2SSLPFFc_Hz_f32	2.82200003
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	-18.7199993 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.322179377	0.322179407 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-18.7199993	-18.7199993 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.043245554	0.0432455391 ± 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	0.830196738 ± 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	0.319499999
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	12.4899998
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	20
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.662150025
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-12.1000004
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.226050004
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	190.940002
k_T1T2CMCLPFFc_Hz_f32	9.86999989
k_T1T2SSLPFFc_Hz_f32	0.988799989
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	12.4899998 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.997973621	0.997973621 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	12.4899998	12.4899998 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.909229696	0.909229696 ± 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	0.462744415 ± 0.0000009	✓

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Name	Actual Value	Expected Value	Result
NTC	0x0C	0x0C	✓
Param	0x02	0x02	✓
Status	0x01	0x01	✓
NTC	0xFB	0xFB	✓
Param	0x01	0x01	✓
Status	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		0.350650012		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32		9.48700047		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		9.21000004		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.693300009		
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32		3		
DigHwTrqSENT_SSFIltKSV_M_str.K_Uls_f32		0.257200003		
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error		tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS		
Rte_Inst_Sa_DigHwTrqSENT		tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32		204.436005		
k_T1T2CMCLPFFc_Hz_f32		2.63800001		
k_T1T2SSLPFFc_Hz_f32		0.34040001		
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	9.48700047 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32		0.809385896	0.809385896 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32		9.48700047	9.48700047 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.923389316	0.923389316 ± 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	0.192554429 ± 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	0.381799996			
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-9.98900032			
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0			
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.724449992			
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32	5.19999981			
DigHwTrqSENT_SSFIltKSV_M_str.K_Uls_f32	0.288349986			
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS			

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DigHwTrqSENT\_Init1

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	177.968002		
k_T1T2CMCLPFFc_Hz_f32	0.578000009		
k_T1T2SSLPFFc_Hz_f32	3.53999996		
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	-9.98900032 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.304530501	0.304530501 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-9.98900032	-9.98900032 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.893158853	0.893158793 ± 0.0000009	✔
DigHwTrqSENT_SSDFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSDFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSDFiltKSV_M_str.K_Uls_f32	0.891851246	0.891851246 ± 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 3.13 (Repeat Count = 1)				✔
Name		Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32		6		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32		0.412950009		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32		18.6299992		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		-11.0200005		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.755599976		
DigHwTrqSENT_SSFillKSV_M_str.SV_Uls_f32		-15		
DigHwTrqSENT_SSFillKSV_M_str.K_Uls_f32		0.319499999		
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		11.3800001		
k_T1T2CMCLPFFc_Hz_f32		8.58399963		
k_T1T2SLPFFc_Hz_f32		8.69099998		
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	18.6299992 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32		0.995453894	0.995453894 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32		18.6299992	18.6299992 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.133250535	0.13325052 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32		0	0 ± 0.000976	✔
DigHwTrqSENT_SSFillKSV_M_str.SV_Uls_f32		0	0 ± 0.000976	✔
DigHwTrqSENT_SSFillKSV_M_str.K_Uls_f32		0.995749474	0.995749474 ± 0.0000009	✔
NTC		0x0C	0x0C	✔
Param		0x02	0x02	✔
Status		0x01	0x01	✔
NTC		0xFB	0xFB	✔
Param		0x01	0x01	✔
Status		0x00	0x00	✔

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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	0.444099993
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-0.860000014
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	0.350650012
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	103.921997
k_T1T2CMCLPFFc_Hz_f32	0.402999997
k_T1T2SSLPFFc_Hz_f32	3.26900005
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	-0.860000014 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.223697007	0.223696992 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-0.860000014	-0.860000014 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.729077458	0.729077458 ± 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	0.871775568 ± 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	0.475250006
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	9.68400002
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-8
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.998132586
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	6
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.381799996
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	216.516998
k_T1T2CMCLPFFc_Hz_f32	1.49899995
k_T1T2SSLPFFc_Hz_f32	2.58800006
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	0
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	0
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	90
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum



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Name	Input Value		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFltKSV_M_str.SV_Uls_f32	9.68400002	9.68400002 ± 0.000976	✔
DigHwTrqSENT_CMCFltKSV_M_str.K_Uls_f32	0.610093951	0.610093951 ± 0.0000009	✔
DigHwTrqSENT_CMCFltOut_HwNm_M_f32	9.68400002	9.68400002 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.934180081	0.934180081 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFltKSV_M_str.K_Uls_f32	0.803302526	0.803302526 ± 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_CMCFltKSV_M_str.SV_Uls_f32	-5		
DigHwTrqSENT_CMCFltKSV_M_str.K_Uls_f32	0.506399989		
DigHwTrqSENT_CMCFltSV_HwNm_M_f32	-3.72300005		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	10.21		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.567860007		
DigHwTrqSENT_SSFltKSV_M_str.SV_Uls_f32	14.3000002		
DigHwTrqSENT_SSFltKSV_M_str.K_Uls_f32	0.412950009		
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	198.410004		
k_T1T2CMCLPFFc_Hz_f32	7.36100006		
k_T1T2SSLPFFc_Hz_f32	5.28520012		
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_CMCFltKSV_M_str.SV_Uls_f32	-3.72300005	-3.72300005 ± 0.000976	✔
DigHwTrqSENT_CMCFltKSV_M_str.K_Uls_f32	0.990196884	0.990196884 ± 0.0000009	✔
DigHwTrqSENT_CMCFltOut_HwNm_M_f32	-3.72300005	-3.72300005 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.91736269	0.91736263 ± 0.0000009	✔
DigHwTrqSENT_SSdiagFltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFltKSV_M_str.K_Uls_f32	0.963875711	0.963875711 ± 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	✓

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DigHwTrqSENT\_Init1

## 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	0.537549973		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.4879999		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	16		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.786750019		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	-20		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.444099993		
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	2.89199996		
k_T1T2SSLPFFc_Hz_f32	2.79999995		
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	-10.4879999 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.837503254	0.837503254 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10.4879999	-10.4879999 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.692136049	0.692136049 ± 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	0.827833295 ± 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	0.568700016		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	4.70800018		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	4		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.817900002		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	20		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.475250006		
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	241.399994		
k_T1T2CMCLPFFc_Hz_f32	9.26000023		
k_T1T2SSLPFFc_Hz_f32	3.74000001		
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	4.70800018 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.997027159	0.997027159 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	4.70800018	4.70800018 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.951854229	0.951854229 ± 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	0.904622376 ± 0.0000009	✔

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Name	Actual Value	Expected Value	Result
NTC	0x0C	0x0C	✓
Param	0x02	0x02	✓
Status	0x01	0x01	✓
NTC	0xFB	0xFB	✓
Param	0x01	0x01	✓
Status	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	0.599849999		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	2.59599996		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-12.0100002		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.849049985		
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32	15.1199999		
DigHwTrqSENT_SSFIltKSV_M_str.K_Uls_f32	0.506399989		
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	218.731995		
k_T1T2CMCLPFFc_Hz_f32	2.31100011		
k_T1T2SSLPFFc_Hz_f32	0.493999988		
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	2.59599996 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.765908718	0.765908718 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	2.59599996	2.59599996 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.935986936	0.935986876 ± 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	0.266838551 ± 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	0.630999982
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-1.05999994
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-10
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.880200028
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32	0
DigHwTrqSENT_SSFIltKSV_M_str.K_Uls_f32	0.537549973
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS

# TEST DETAILS REPORT
















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Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	14.1149998		
k_T1T2CMCLPFFc_Hz_f32	2.48799992		
k_T1T2SSLPFFc_Hz_f32	5.30600023		
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	-1.05999994 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.790547132	0.790547132 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-1.05999994	-1.05999994 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.16253376	0.16253376 ± 0.0000009	✔
DigHwTrqSENT_SSDFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSDFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSDFiltKSV_M_str.K_Uls_f32	0.96434474	0.96434474 ± 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		0.662150025		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32		6.61999989		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		-17		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.911350012		
DigHwTrqSENT_SSFillKSV_M_str.SV_Uls_f32		-11.21		
DigHwTrqSENT_SSFillKSV_M_str.K_Uls_f32		0.568700016		
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		238.330002		
k_T1T2CMCLPFFc_Hz_f32		5.56699991		
k_T1T2SLPFFc_Hz_f32		2.25999999		
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	6.61999989 ± 0.000976	
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32		0.969737589	0.969737589 ± 0.0000009	
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32		6.61999989	6.61999989 ± 0.000976	
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		0	0 ± 0.00048828125	
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.94996053	0.94996053 ± 0.0000009	
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32		0	0 ± 0.000976	
DigHwTrqSENT_SSFillKSV_M_str.SV_Uls_f32		0	0 ± 0.000976	
DigHwTrqSENT_SSFillKSV_M_str.K_Uls_f32		0.758285999	0.75828594 ± 0.0000009	
NTC		0x0C	0x0C	
Param		0x02	0x02	
Status		0x01	0x01	
NTC		0xFB	0xFB	
Param		0x01	0x01	
Status		0x00	0x00	

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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 3.22 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-11
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.693300009
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	11.3999996
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	15
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.942499995
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	91.3685989
k_T1T2CMCLPFFc_Hz_f32	6.81599998
k_T1T2SSLPFFc_Hz_f32	9.50899982
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	11.3999996 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.986193538	0.986193538 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	11.3999996	11.3999996 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.682783842	0.682783782 ± 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	0.997457683 ± 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 3.23 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-19
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.724449992
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-17.3279991
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	10.0100002
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.913649976
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32	-5
DigHwTrqSENT_SSFIltKSV_M_str.K_Uls_f32	0.998132586
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	131.740997
k_T1T2CMCLPFFc_Hz_f32	6.67399979
k_T1T2SSLPFFc_Hz_f32	6.46999979
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	0
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	146
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum

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DigHwTrqSENT\_Init1

Name	Input Value		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFltKSV_M_str.SV_Uls_f32	-17.3279991	-17.3279991 ± 0.000976	✔
DigHwTrqSENT_CMCFltKSV_M_str.K_Uls_f32	0.984905124	0.984905064 ± 0.0000009	✔
DigHwTrqSENT_CMCFltOut_HwNm_M_f32	-17.3279991	-17.3279991 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.809004664	0.809004664 ± 0.0000009	✔
DigHwTrqSENT_SSFltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFltKSV_M_str.K_Uls_f32	0.982840836	0.982840776 ± 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_CMCFltKSV_M_str.SV_Uls_f32	17		
DigHwTrqSENT_CMCFltKSV_M_str.K_Uls_f32	0.755599976		
DigHwTrqSENT_CMCFltSV_HwNm_M_f32	-13.5530005		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-12		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.118000001		
DigHwTrqSENT_SSFltKSV_M_str.SV_Uls_f32	-1		
DigHwTrqSENT_SSFltKSV_M_str.K_Uls_f32	0.453768998		
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	192.544998		
k_T1T2CMCLPFFc_Hz_f32	1.10230005		
k_T1T2SSLPFFc_Hz_f32	8.30000019		
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_CMCFltKSV_M_str.SV_Uls_f32	-13.5530005	-13.5530005 ± 0.000976	✔
DigHwTrqSENT_CMCFltKSV_M_str.K_Uls_f32	0.49972415	0.49972409 ± 0.0000009	✔
DigHwTrqSENT_CMCFltOut_HwNm_M_f32	-13.5530005	-13.5530005 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.911042094	0.911042094 ± 0.0000009	✔
DigHwTrqSENT_SSFltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSFltKSV_M_str.K_Uls_f32	0.994565785	0.994565785 ± 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	✓

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## 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	0.786750019		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-20		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-18		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.166999996		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	2.0999999		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.599849999		
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	13.4289999		
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	0.998132586 ± 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	0.155283138 ± 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	0.998132586 ± 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_GetErrorStatus(Error)	1	Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓
TrimNotPerfDiag	1	TrimNotPerfDiag	1	✓
Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	Rte_Call_Sa_DigHwTrqSENT_NxtrDiagMgr_SetNTCStatus	1	✓

## Test Step 3.26 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	7		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.817900002		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	20		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	15.0100002		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.216000006		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	7		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.630999982		
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	148.707001		
k_T1T2CMCLPFFc_Hz_f32	4.20800018		
k_T1T2SSLPFFc_Hz_f32	3.6400001		
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	0.928921044 ± 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	0.845676959 ± 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	0.898437381 ± 0.0000009	✔



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

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	0.849049985		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	17.0200005		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	11		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.264999986		
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32	-19		
DigHwTrqSENT_SSFIltKSV_M_str.K_Uls_f32	0.662150025		
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	117.642998		
k_T1T2CMCLPFFc_Hz_f32	3.82080007		
k_T1T2SSLPFFc_Hz_f32	5.96999979		
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	17.0200005 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.909343719	0.90934366 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	17.0200005	17.0200005 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.771985412	0.771985412 ± 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	0.976507187 ± 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	0.880200028
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	0
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	18
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.31400001
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32	6.19999981
DigHwTrqSENT_SSFIltKSV_M_str.K_Uls_f32	0.693300009
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS



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DigHwTrqSENT\_Init1

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	74.8389969		
k_T1T2CMCLPFFc_Hz_f32	0.437599987		
k_T1T2SSLPFFc_Hz_f32	0.887000024		
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	0.240391567 ± 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	0.609549701 ± 0.0000009	✔
DigHwTrqSENT_SSDFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSDFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSDFiltKSV_M_str.K_Uls_f32	0.42725724	0.42725721 ± 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		0.911350012		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32		-11.21		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		19		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.363000005		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32		16		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32		0.724449992		
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		156.296005		
k_T1T2CMCLPFFc_Hz_f32		9.79150009		
k_T1T2SSLPFFc_Hz_f32		6.97800016		
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	0.997871161 ± 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	0.85971421 ± 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	0.987529695 ± 0.0000009	
NTC		0x0C	0x0C	
Param		0x02	0x02	
Status		0x01	0x01	
NTC		0xFB	0xFB	
Param		0x01	0x01	
Status		0x01	0x01	

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DigHwTrqSENT\_Init1

## 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 3.30 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-12
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.942499995
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-5.79069996
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-17
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.559000015
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32	-7.11999989
DigHwTrqSENT_SSFIltKSV_M_str.K_Uls_f32	0.755599976
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	162.602997
k_T1T2CMCLPFFc_Hz_f32	0
k_T1T2SSLPFFc_Hz_f32	4.51039982
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	-5.79069996 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0	0 ± 0.000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-5.79069996	-5.79069996 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.870403528	0.870403528 ± 0.0000009	✓
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✓
DigHwTrqSENT_SSFIltKSV_M_str.K_Uls_f32	0.94122082	0.94122082 ± 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 3.31 (Repeat Count = 1)

Name	Input Value
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	16
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.973649979
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	16.5079994
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	18.2000008
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.60799998
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32	-16
DigHwTrqSENT_SSFIltKSV_M_str.K_Uls_f32	0.786750019
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	66.211998
k_T1T2CMCLPFFc_Hz_f32	10
k_T1T2SSLPFFc_Hz_f32	10
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	2
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	202
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum

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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	16.5079994 ± 0.000976	✓
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.998132586	0.998132586 ± 0.0000009	✓
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32	16.5079994	16.5079994 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.56484133	0.56484133 ± 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	0.998132586 ± 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	0.118000001		
DigHwTrqSENT_CMCfiltSV_HwNm_M_f32	-0.293199986		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-13		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.657000005		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	-3.25		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.817900002		
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	70.1147995		
k_T1T2CMCLPFFc_Hz_f32	9.98999977		
k_T1T2SSLPFFc_Hz_f32	1.25999999		
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	-0.293199986 ± 0.000976	✔
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.998120785	0.998120785 ± 0.0000009	✔
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32	-0.293199986	-0.293199986 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.585668385	0.585668385 ± 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	0.546917617 ± 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	✓

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## 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	0.166999996		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.4890003		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-4.19999981		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.693300009		
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32	11		
DigHwTrqSENT_SSFIltKSV_M_str.K_Uls_f32	0.849049985		
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	208.280197		
k_T1T2CMCLPFFc_Hz_f32	2.75999999		
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	-10.4890003 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.823451459	0.8234514 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10.4890003	-10.4890003 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.927002192	0.927002192 ± 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	0.998132586 ± 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	0.216000006		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	14.8400002		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	6		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.724449992		
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32	-6		
DigHwTrqSENT_SSFIltKSV_M_str.K_Uls_f32	0.880200028		
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	206.975006		
k_T1T2CMCLPFFc_Hz_f32	6.09399986		
k_T1T2SSLPFFc_Hz_f32	6.82200003		
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	14.8400002 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.978268087	0.978268087 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	14.8400002	14.8400002 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.925795078	0.925795078 ± 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	0.986245513 ± 0.0000009	✔

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DigHwTrqSENT\_Init1

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

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		11.0200005		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32		0.264999986		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32		-17.1889992		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		-6		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.755599976		
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32		-4.19999981		
DigHwTrqSENT_SSFIltKSV_M_str.K_Uls_f32		0.911350012		
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		147.878998		
k_T1T2CMCLPFFc_Hz_f32		0.479999989		
k_T1T2SLPFFc_Hz_f32		3.82399988		
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	-17.1889992 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32		0.260360897	0.260360897 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32		-17.1889992	-17.1889992 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.844062924	0.844062865 ± 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	0.909525752 ± 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	0.31400001			
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-14.5410004			
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-11			
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.786750019			
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	10			
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.942499995			
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS			

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DigHwTrqSENT\_Init1

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	247.509003		
k_T1T2CMCLPFFc_Hz_f32	8.94999981		
k_T1T2SSLPFFc_Hz_f32	1.64100003		
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	-14.5410004 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.996387839	0.996387839 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-14.5410004	-14.5410004 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.955411971	0.955411971 ± 0.0000009	✔
DigHwTrqSENT_SSDFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSDFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSDFiltKSV_M_str.K_Uls_f32	0.643375158	0.643375099 ± 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		-4.21000004		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32		0.363000005		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32		19.5300007		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		-6		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.817900002		
DigHwTrqSENT_SSFillKSV_M_str.SV_Uls_f32		-3.0999999		
DigHwTrqSENT_SSFillKSV_M_str.K_Uls_f32		0.973649979		
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		228.649994		
k_T1T2CMCLPFFc_Hz_f32		5.16940022		
k_T1T2SLPFFc_Hz_f32		5.27899981		
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	19.5300007 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32		0.961149335	0.961149335 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32		19.5300007	19.5300007 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.943487942	0.943487883 ± 0.0000009	✔
DigHwTrqSENT_SSDFiltOut_HwNm_M_f32		0	0 ± 0.000976	✔
DigHwTrqSENT_SSFillKSV_M_str.SV_Uls_f32		0	0 ± 0.000976	✔
DigHwTrqSENT_SSFillKSV_M_str.K_Uls_f32		0.963734686	0.963734686 ± 0.0000009	✔
NTC		0x0C	0x0C	✔
Param		0x02	0x02	✔
Status		0x01	0x01	✔
NTC		0xFB	0xFB	✔
Param		0x01	0x01	✔
Status		0x00	0x00	✔

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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	14.1899996
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	8
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.849049985
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	9
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.118000001
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	56.9432983
k_T1T2CMCLPFFc_Hz_f32	6.00199986
k_T1T2SSLPFFc_Hz_f32	2.4000001
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	14.1899996 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.976974845	0.976974845 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	14.1899996	14.1899996 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.511086941	0.511086941 ± 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	0.778639913 ± 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	0.998132586
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	13.7600002
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	2.0999999
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.880200028
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.166999996
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	174.473907
k_T1T2CMCLPFFc_Hz_f32	4.1427002
k_T1T2SSLPFFc_Hz_f32	10
tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum.value	1
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1
tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS	195
tgt_Rte_Inst_Sa_DigHwTrqSENT.DigHwTrqSENT_Init1_MECCounter_Cnt_enum	tgt_DigHwTrqSENT_Init1_MECCounter_Cnt_enum

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Name	Input Value		
tgt_Rte_Inst_Sa_DigHwTrqSENT.Pim_DigTrqTrim	tgt_Pim_DigTrqTrim		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCfiltKSV_M_str.SV_Uls_f32	13.7600002	13.7600002 ± 0.000976	✓
DigHwTrqSENT_CMCfiltKSV_M_str.K_Uls_f32	0.925944149	0.92594409 ± 0.0000009	✓
DigHwTrqSENT_CMCfiltOut_HwNm_M_f32	13.7600002	13.7600002 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.888363123	0.888363123 ± 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	0.998132586 ± 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	0.365740001		
DigHwTrqSENT_CMCfiltSV_HwNm_M_f32	20		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-3.20000005		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.911350012		
DigHwTrqSENT_SSfiltKSV_M_str.SV_Uls_f32	-13		
DigHwTrqSENT_SSfiltKSV_M_str.K_Uls_f32	0.216000006		
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	245.979996		
k_T1T2CMCLPFFc_Hz_f32	1.61769998		
k_T1T2SSLPFFc_Hz_f32	1.43400002		
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	0.638115764 ± 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	0.954546988 ± 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	0.593840241 ± 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	✓



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DigHwTrqSENT\_Init1

## 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	0.559000015
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.1899996
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-12
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.942499995
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-9
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.264999986
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	61.2200012
k_T1T2CMCLPFFc_Hz_f32	8.06400013
k_T1T2SSLPFFc_Hz_f32	0.317000002
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	-10.1899996 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.993697226	0.993697166 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10.1899996	-10.1899996 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.536668897	0.536668837 ± 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	0.18059513 ± 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	0.60799998
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	7.17399979
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-18
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.913649976
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-17.1200008
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.31400001
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	134.002136
k_T1T2CMCLPFFc_Hz_f32	2.42339993
k_T1T2SSLPFFc_Hz_f32	3.78999996
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	7.17399979 ± 0.000976	✓
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.781870663	0.781870663 ± 0.0000009	✓
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	7.17399979	7.17399979 ± 0.000976	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.814355314	0.814355314 ± 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	0.90757215 ± 0.0000009	✓

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

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		0.657000005		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32		5.67000008		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		2		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.657000005		
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32		20		
DigHwTrqSENT_SSFIltKSV_M_str.K_Uls_f32		0.363000005		
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		2.30999994		
k_T1T2SSLPFFc_Hz_f32		6.02400017		
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	5.67000008 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32		0.765761614	0.765761554 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32		5.67000008	5.67000008 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.28502363	0.2850236 ± 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	0.977290928 ± 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	0.559000015			
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.1899996			
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	-19			
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.942499995			
DigHwTrqSENT_SSFIltKSV_M_str.SV_Uls_f32	-9.02000046			
DigHwTrqSENT_SSFIltKSV_M_str.K_Uls_f32	0.264999986			
Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorStatus(Error	tgt_Rte_Call_Sa_DigHwTrqSENT_NvM_DigHwTrqSENTTrim_Srv_GetErrorS			

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Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
k_HwTrqLPFFc_Hz_f32	61.2200012		
k_T1T2CMCLPFFc_Hz_f32	8.06400013		
k_T1T2SSLPFFc_Hz_f32	0.317000002		
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	-10.1899996 ± 0.000976	✔
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.993697226	0.993697166 ± 0.0000009	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10.1899996	-10.1899996 ± 0.000976	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✔
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.536668897	0.536668837 ± 0.0000009	✔
DigHwTrqSENT_SSDFiltOut_HwNm_M_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSDFiltKSV_M_str.SV_Uls_f32	0	0 ± 0.000976	✔
DigHwTrqSENT_SSDFiltKSV_M_str.K_Uls_f32	0.18059516	0.18059513 ± 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		0.60799998		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32		7.17399979		
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		8		
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.913649976		
DigHwTrqSENT_SSFillKSV_M_str.SV_Uls_f32		-17		
DigHwTrqSENT_SSFillKSV_M_str.K_Uls_f32		0.31400001		
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		134.002136		
k_T1T2CMCLPFFc_Hz_f32		2.42339993		
k_T1T2SLPFFc_Hz_f32		3.78999996		
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	7.17399979 ± 0.000976	
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32		0.781870663	0.781870663 ± 0.0000009	
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32		7.17399979	7.17399979 ± 0.000976	
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32		0	0 ± 0.00048828125	
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32		0.814355314	0.814355314 ± 0.0000009	
DigHwTrqSENT_SSDFiltOut_HwNm_M_f32		0	0 ± 0.000976	
DigHwTrqSENT_SSFillKSV_M_str.SV_Uls_f32		0	0 ± 0.000976	
DigHwTrqSENT_SSFillKSV_M_str.K_Uls_f32		0.90757221	0.90757215 ± 0.0000009	
NTC		0x0C	0x0C	
Param		0x02	0x02	
Status		0x01	0x01	
NTC		0xFB	0xFB	
Param		0x01	0x01	
Status		0x00	0x00	

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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	0.657000005			
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	5.67000008			
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	13			
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.657000005			
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	20			
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.363000005			
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	2.30999994			
k_T1T2SSLPFFc_Hz_f32	6.02400017			
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	5.67000008 ± 0.000976	✓	
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.765761614	0.765761554 ± 0.0000009	✓	
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	5.67000008	5.67000008 ± 0.000976	✓	
DigHwTrqSENT_DigHwTrqKSV_M_str.SV_Uls_f32	0	0 ± 0.00048828125	✓	
DigHwTrqSENT_DigHwTrqKSV_M_str.K_Uls_f32	0.28502363	0.2850236 ± 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	0.977290928 ± 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 DETAILS REPORT

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DigHwTrqSENT\_SCom\_SetTrqTrim



Project	CBD_DigHwTrqSENT
Module	DigHwTrqSENT_FLTINJ
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_ON -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include \TMS570_HerculesRegs -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_ON -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include \TMS570_HerculesRegs -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'DigHwTrqSENT_FLTINJ'	*****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: 8/25/2014 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

# TEST DETAILS REPORT

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DigHwTrqSENT\_SCom\_SetTrqTrim



Attributes	
Name	Value
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_DigHwTrqSENT\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

# TEST DETAILS REPORT

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DigHwTrqSENT\_SCom\_SetTrqTrim



## Test Case 1: Metrics Test

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

## Test Step 1.1 (Repeat Count = 1)

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

## 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 DETAILS REPORT

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DigHwTrqSENT\_SCom\_SetTrqTrim



## 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

<b>Specification</b>	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
<b>Description</b>	Vector Description:  TC2.1All Min TC2.2All Max TC2.3MECCounter_Cnt_enum = ProductionMode TC2.4MECCounter_Cnt_enum = EngineeringMode TC2.5MECCounter_Cnt_enum = ManufacturingMode TC2.6T1_HwNm_f32 = Min TC2.7T1_HwNm_f32 = Max TC2.8T1_HwNm_f32 = Zero TC2.9T1_HwNm_f32 = Pos TC2.10T1_HwNm_f32 = Neg TC2.11T2_HwNm_f32 = Min TC2.12T2_HwNm_f32 = Max TC2.13T2_HwNm_f32 = Zero TC2.14T2_HwNm_f32 = Pos TC2.15T2_HwNm_f32 = Neg TC2.16k_MaxHwTrqTrim_HwNm_f32 = Min TC2.17K_MaxHwTrqTrim_HwNm_f32 = Max TC2.18k_MaxHwTrqTrim_HwNm_f32 = Pos

## Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
Rte_Inst_Sa_DigHwTrqSENT	tgt_Rte_Inst_Sa_DigHwTrqSENT		
Rte_Read_Sa_DigHwTrqSENT_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	✓



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DigHwTrqSENT\_SCom\_SetTrqTrim

## 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	✓

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DigHwTrqSENT\_SCom\_SetTrqTrim

## 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	✓

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## 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	✔

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## 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	✓

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## 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	0.32499988 ± 0.00048828125	✓
tgt_Pim_DigTrqTrim.k_EOLHwTrqTrimPerformed_Cnt_Lgc	1	1	✓

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DigHwTrqSENT\_SCom\_SetTrqTrim

## 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	✔

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## 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	✓

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## 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	✓



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DigHwTrqSENT\_SCom\_SetTrqTrim



## 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

<b>Specification</b>	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
<b>Description</b>	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 Coverage:((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	6.469999979
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

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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	✔

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DigHwTrqSENT\_SCom\_SetTrqTrim

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	✓

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DigHwTrqSENT\_Per3



Project	CBD_DigHwTrqSENT
Module	DigHwTrqSENT_FLTINJ
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_ON -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include\TMS570_HerculesRegs -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_ON -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include\TMS570_HerculesRegs -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'DigHwTrqSENT_FLTINJ'	*****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: 8/25/2014 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

# TEST DETAILS REPORT

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DigHwTrqSENT\_Per3



Attributes	
Name	Value
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_DigHwTrqSENT\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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DigHwTrqSENT\_Per3



## Test Case 1: Metrics Test

<b>Specification</b>	Performance Metrics: (With "None" instrumentation and WithPS Environment)  CPU Cycles:  TS1.1 2200.00 Cycles TS1.2 2903.00 Cycles
<b>Description</b>	Vector Description:  TS1.1Shortest Execution Path: DigHwTrqSENT_SSFilltKSV_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_SSFilltKSV_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	0.132599995			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	20			
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-13.79			
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.0946002			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	20			
DigHwTrqSENT_SSFilltKSV_M_str.SV_Uls_f32	-18			
DigHwTrqSENT_SSFilltKSV_M_str.K_Uls_f32	0.148699999			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-8.80910015			
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	2.52426219 ± 0.000976	✓	
DigHwTrqSENT_SSFilltKSV_M_str.SV_Uls_f32	2.52426219	2.52426219 ± 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	0.163749993			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	3.74070001			
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-7.04899979			
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.81499958			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	1			
DigHwTrqSENT_SSFilltKSV_M_str.SV_Uls_f32	1			
DigHwTrqSENT_SSFilltKSV_M_str.K_Uls_f32	0.187700003			
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	15.7743998			
DigHwTrqSENT_TrqSum_HwNm_M_f32	12.5229998			
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	18.7756405 ± 0.000976	✓	
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	18.7756405	18.7756405 ± 0.000976	✓	
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	18.7756405	18.7756405 ± 0.000976	✓	
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	3.77315497	3.77315497 ± 0.000976	✓	
DigHwTrqSENT_SSFilltKSV_M_str.SV_Uls_f32	3.77315497	3.77315497 ± 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 DETAILS REPORT

DigHwTrqSENT\_Per3

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## Test Case 2: Path Test

### Specification

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

CPU Cycles:

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

### Description

Vector Description:

TS2.1 ( AbsHwTrq\_HwNm\_T\_f32 <= k\_T1T2CMCLPFEnable\_HwNm\_f32 ) ==> TRUE  
TS2.2 ( AbsHwTrq\_HwNm\_T\_f32 <= k\_T1T2CMCLPFEnable\_HwNm\_f32 ) ==> FALSE  
TS2.3 "DigHwTrqSENT\_SSFiltKSV\_M\_str.SV\_Uls\_f32 = Limit\_m(DigHwTrqSENT\_SSdiagFiltOut\_HwNm\_M\_f32, -D\_SSFILTSVLMT\_HWNM\_F32, D\_SSFILTSVLMT\_HWNM\_F32)=F  
if ( AbsHwTrq\_HwNm\_T\_f32 <= k\_T1T2CMCLPFEnable\_HwNm\_f32 )=F"  
TS2.4 "DigHwTrqSENT\_SSFiltKSV\_M\_str.SV\_Uls\_f32 = Limit\_m(DigHwTrqSENT\_SSdiagFiltOut\_HwNm\_M\_f32, -D\_SSFILTSVLMT\_HWNM\_F32, D\_SSFILTSVLMT\_HWNM\_F32)=T  
if ( AbsHwTrq\_HwNm\_T\_f32 <= k\_T1T2CMCLPFEnable\_HwNm\_f32 )=F"

## Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-6		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.226050004		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-14.5		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-2.6400001		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-2.51999998		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-2		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	12		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.265700012		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-8.80930042		
DigHwTrqSENT_TrqSum_HwNm_M_f32	2.28999996		
k_T1T2CMCLPFEnable_HwNm_f32	18.4503994		
k_T1T2SSLim_HwNm_f32	3		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-4.12604523	-4.1260457 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-4.12604523	-4.1260457 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-4.12604523	-4.1260457 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-3.80923128	-3.80923104 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-3.80923128	-3.80923104 ± 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	0.163749993		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	3.74070001		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-7.04899979		
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.81499958		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	1		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	1		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.187700003		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	15.7743998		
DigHwTrqSENT_TrqSum_HwNm_M_f32	12.5229998		
k_T1T2CMCLPFEnable_HwNm_f32	6.55009985		
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	3.74070001 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-7.04899979	-7.04899979 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	3.77315497	3.77315497 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	3.77315497	3.77315497 ± 0.000976	✔

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## 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	0.132599995		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-13.79		
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.0946002		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-18		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.148699999		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-8.80910015		
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	4.2538538 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	4.25385427	4.2538538 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	4.25385427	4.2538538 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	2.09861231	2.09861231 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	2.09861231	2.09861231 ± 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	✓



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## Test Case 3: Boundary Test



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

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Description Vector Description:

TS3.1 All Min  
 TS3.2 All Max  
 TS3.3 DigHwTrqSENT\_SSdiagFiltOut\_HwNm\_M\_f32==>Min  
 TS3.4 DigHwTrqSENT\_SSdiagFiltOut\_HwNm\_M\_f32==>Max  
 TS3.5 DigHwTrqSENT\_SSdiagFiltOut\_HwNm\_M\_f32==>Pos  
 TS3.6 DigHwTrqSENT\_SSdiagFiltOut\_HwNm\_M\_f32==>Zero  
 TS3.7 DigHwTrqSENT\_SSdiagFiltOut\_HwNm\_M\_f32==>Neg  
 TS3.8 DigHwTrqSENT\_TdiagFiltOut\_HwNm\_M\_f32==>Min  
 TS3.9 DigHwTrqSENT\_TdiagFiltOut\_HwNm\_M\_f32==>Max  
 TS3.10 DigHwTrqSENT\_TdiagFiltOut\_HwNm\_M\_f32==>Pos  
 TS3.11 DigHwTrqSENT\_TdiagFiltOut\_HwNm\_M\_f32==>Zero  
 TS3.12 DigHwTrqSENT\_TdiagFiltOut\_HwNm\_M\_f32==>Neg  
 TS3.13 DigHwTrqSENT\_SSFiltKSV\_M\_str.SV==>Min  
 TS3.14 DigHwTrqSENT\_SSFiltKSV\_M\_str.SV==>Max  
 TS3.15 DigHwTrqSENT\_SSFiltKSV\_M\_str.SV==>Pos  
 TS3.16 DigHwTrqSENT\_SSFiltKSV\_M\_str.SV==>Zero  
 TS3.17 DigHwTrqSENT\_SSFiltKSV\_M\_str.SV==>Neg  
 TS3.18 DigHwTrqSENT\_SSFiltKSV\_M\_str.K==>Min  
 TS3.19 DigHwTrqSENT\_SSFiltKSV\_M\_str.K==>Max  
 TS3.20 DigHwTrqSENT\_SSFiltKSV\_M\_str.K==>Pos  
 TS3.21 DigHwTrqSENT\_HwTrq\_HwNm\_M\_f32==>Min  
 TS3.22 DigHwTrqSENT\_HwTrq\_HwNm\_M\_f32==>Max  
 TS3.23 DigHwTrqSENT\_HwTrq\_HwNm\_M\_f32==>Pos  
 TS3.24 DigHwTrqSENT\_HwTrq\_HwNm\_M\_f32==>Zero  
 TS3.25 DigHwTrqSENT\_HwTrq\_HwNm\_M\_f32==>Neg  
 TS3.26 k\_T1T2CMCLPFEnable\_HwNm\_f32==>Min  
 TS3.27 k\_T1T2CMCLPFEnable\_HwNm\_f32==>Max  
 TS3.28 k\_T1T2CMCLPFEnable\_HwNm\_f32==>Pos  
 TS3.29 DigHwTrqSENT\_CMCFiltOut\_HwNm\_M\_f32==>Min  
 TS3.30 DigHwTrqSENT\_CMCFiltOut\_HwNm\_M\_f32==>Max  
 TS3.31 DigHwTrqSENT\_CMCFiltOut\_HwNm\_M\_f32==>Pos  
 TS3.32 DigHwTrqSENT\_CMCFiltOut\_HwNm\_M\_f32==>Zero  
 TS3.33 DigHwTrqSENT\_CMCFiltOut\_HwNm\_M\_f32==>Neg  
 TS3.34 DigHwTrqSENT\_CMCFiltSV\_HwNm\_M\_f32==>Min  
 TS3.35 DigHwTrqSENT\_CMCFiltSV\_HwNm\_M\_f32==>Max  
 TS3.36 DigHwTrqSENT\_CMCFiltSV\_HwNm\_M\_f32==>Pos  
 TS3.37 DigHwTrqSENT\_CMCFiltSV\_HwNm\_M\_f32==>Zero  
 TS3.38 DigHwTrqSENT\_CMCFiltSV\_HwNm\_M\_f32==>Neg  
 TS3.39 DigHwTrqSENT\_TrqSum\_HwNm\_M\_f32==>Min  
 TS3.40 DigHwTrqSENT\_TrqSum\_HwNm\_M\_f32==>Max  
 TS3.41 DigHwTrqSENT\_TrqSum\_HwNm\_M\_f32==>Pos  
 TS3.42 DigHwTrqSENT\_TrqSum\_HwNm\_M\_f32==>Zero  
 TS3.43 DigHwTrqSENT\_TrqSum\_HwNm\_M\_f32==>Neg  
 TS3.44 DigHwTrqSENT\_CMCFiltKSV\_M\_str.SV==>Min  
 TS3.45 DigHwTrqSENT\_CMCFiltKSV\_M\_str.SV==>Max  
 TS3.46 DigHwTrqSENT\_CMCFiltKSV\_M\_str.SV==>Pos  
 TS3.47 DigHwTrqSENT\_CMCFiltKSV\_M\_str.SV==>Zero  
 TS3.48 DigHwTrqSENT\_CMCFiltKSV\_M\_str.SV==>Neg  
 TS3.49 DigHwTrqSENT\_CMCFiltKSV\_M\_str.K==>Min  
 TS3.50 DigHwTrqSENT\_CMCFiltKSV\_M\_str.K==>Max  
 TS3.51 DigHwTrqSENT\_CMCFiltKSV\_M\_str.K==>Pos  
 TS3.52 k\_T1T2SSLim\_HwNm\_f32==>Min  
 TS3.53 k\_T1T2SSLim\_HwNm\_f32==>Max  
 TS3.54 k\_T1T2SSLim\_HwNm\_f32==>Pos

## Test Step 3.1 (Repeat Count = 1)

Name	Input Value			
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-20			
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0			
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-20			
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-20			
DigHwTrqSENT_HwTrq_HwNm_M_f32	-10			
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-20			
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-20			
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0			
DigHwTrqSENT_TdiagFiltOut_HwNm_M_f32	-20			
DigHwTrqSENT_TrqSum_HwNm_M_f32	-20			
k_T1T2CMCLPFEnable_HwNm_f32	0			
k_T1T2SSLim_HwNm_f32	0			
Name	Actual Value	Expected Value	Result	
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-20	-20 ± 0.000976	✓	
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-20	-20 ± 0.000976	✓	
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-20	-20 ± 0.000976	✓	
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-0.00390625	-0.00390625 ± 0.000976	✓	
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-0.00390625	-0.00390625 ± 0.000976	✓	

## 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	✓

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## Test Step 3.2 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	20		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.998132586		
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	0.998132586		
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	0.101450004		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-6.68300009		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-17.5699997		
DigHwTrqSENT_HwTrq_HwNm_M_f32	7.31619978		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-20		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	12		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.109700002		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-1.801		
DigHwTrqSENT_TrqSum_HwNm_M_f32	13.7889996		
k_T1T2CMCLPFEnable_HwNm_f32	13.5476999		
k_T1T2SSLim_HwNm_f32	3		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-6.68805599	-6.68805599 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-6.68805599	-6.68805599 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-6.68805599	-6.68805599 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-2.87194753	-2.87194753 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-2.87194753	-2.87194753 ± 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	✓

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DigHwTrqSENT\_Per3



## Test Step 3.4 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	7		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.132599995		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-13.79		
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.0946002		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-18		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.148699999		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-8.80910015		
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	4.2538538 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	4.25385427	4.2538538 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	4.25385427	4.2538538 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	2.52426219	2.52426219 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	2.52426219	2.52426219 ± 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	0.163749993		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	3.74070001		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-7.04899979		
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.81499958		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	1.23000002		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	1		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.187700003		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	15.7743998		
DigHwTrqSENT_TrqSum_HwNm_M_f32	12.5229998		
k_T1T2CMCLPFEnable_HwNm_f32	6.55009985		
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	3.74070001 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-7.04899979	-7.04899979 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	3.95998383	3.95998383 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	3.95998383	3.95998383 ± 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	✓

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## 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	0.194900006		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	1.58990002		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-2.13000011		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-5.32600021		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	11		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.226699993		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	10.7700005		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-2.42529988		
k_T1T2CMCLPFEnable_HwNm_f32	5.05459976		
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	1.58990002 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-2.13000011	-2.13000011 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	2.44155908	2.44155908 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	2.44155908	2.44155908 ± 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	0.226050004		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-14.5		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-2.6400001		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-2.51999998		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-2.11999989		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	12		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.265700012		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-8.80930042		
DigHwTrqSENT_TrqSum_HwNm_M_f32	2.28999996		
k_T1T2CMCLPFEnable_HwNm_f32	18.4503994		
k_T1T2SSLim_HwNm_f32	7.25		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-4.12604523	-4.1260457 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-4.12604523	-4.1260457 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-4.12604523	-4.1260457 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-3.89734697	-3.89734697 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-3.89734697	-3.89734697 ± 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	✓

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## 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	0.257200003		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	16.8449993		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	15.1124496		
DigHwTrqSENT_HwTrq_HwNm_M_f32	1.61930001		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	11.7643003		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-7		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.304699987		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-20		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-17.0699997		
k_T1T2CMCLPFEnable_HwNm_f32	2.72199988		
k_T1T2SSLim_HwNm_f32	8		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-5.87600422	-5.87600422 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-5.87600422	-5.87600422 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-5.87600422	-5.87600422 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-0.528883934	-0.528883994 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-0.528883934	-0.528883994 ± 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	0.288349986		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-18.7220001		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-17.6931		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-2.52999997		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-19.4249992		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	19		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.343699992		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-17.6800003		
k_T1T2CMCLPFEnable_HwNm_f32	11.9650002		
k_T1T2SSLim_HwNm_f32	9		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	1.3068223	1.30682194 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	1.3068223	1.30682194 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	1.3068223	1.30682194 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0.964735985	0.964736342 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0.964735985	0.964736342 ± 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	✓

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## 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	0.319499999		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	12.4951		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	16.7880001		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-5.70900011		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	11.1896		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	12		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.382699996		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	6.01999998		
DigHwTrqSENT_TrqSum_HwNm_M_f32	14.2489996		
k_T1T2CMCLPFEnable_HwNm_f32	12.7449999		
k_T1T2SSLim_HwNm_f32	10.25		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-2.25244427	-2.25244451 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-2.25244427	-2.25244451 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-2.25244427	-2.25244451 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	8.6335907	8.6335907 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	8.6335907	8.6335907 ± 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	0.350650012		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	9.47999954		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.1647997		
DigHwTrqSENT_HwTrq_HwNm_M_f32	2.15799999		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	13.3940897		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	7		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.421700001		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	0		
DigHwTrqSENT_TrqSum_HwNm_M_f32	20		
k_T1T2CMCLPFEnable_HwNm_f32	12.8140001		
k_T1T2SSLim_HwNm_f32	11		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	16.7532501	16.7532501 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	16.7532501	16.7532501 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	16.7532501	16.7532501 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	6.36355877	6.36355877 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	6.36355877	6.36355877 ± 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	✓



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## 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	0.381799996		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-9.97999954		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-17.8419991		
DigHwTrqSENT_HwTrq_HwNm_M_f32	3.22900009		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	9.07050037		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	17		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.460700005		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-19.1200008		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-19.2089996		
k_T1T2CMCLPFEnable_HwNm_f32	14.5710001		
k_T1T2SSLim_HwNm_f32	12		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	0.0844039917	0.084403798 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	0.0844039917	0.084403798 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	0.0844039917	0.084403798 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-3.9168644	-3.91686344 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-3.9168644	-3.91686344 ± 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	0.412950009		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	18.6310005		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	11.9899998		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-7.0710001		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-18.1399994		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-20		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.49970001		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	12.3900003		
DigHwTrqSENT_TrqSum_HwNm_M_f32	6.92199993		
k_T1T2CMCLPFEnable_HwNm_f32	17.8500004		
k_T1T2SSLim_HwNm_f32	13.25		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	2.27138996	2.27138996 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	2.27138996	2.27138996 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	2.27138996	2.27138996 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-0.439646721	-0.439646304 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-0.439646721	-0.439646304 ± 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	✓

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DigHwTrqSENT\_Per3



## Test Step 3.14 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-15		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.444099993		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-0.860000014		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-18.4950008		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.71940041		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-3.02399993		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	20		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.538699985		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-7.8119998		
DigHwTrqSENT_TrqSum_HwNm_M_f32	19.1219997		
k_T1T2CMCLPFEnable_HwNm_f32	2.0480001		
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	-0.860000014 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-18.4950008	-18.4950008 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-5.60329533	-5.6032958 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-5.60329533	-5.6032958 ± 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	0.475250006		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	9.68400002		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-14.4099998		
DigHwTrqSENT_HwTrq_HwNm_M_f32	3.31800008		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	15.3599997		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	19.0200005		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.577700019		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-10.3529997		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-15.0795298		
k_T1T2CMCLPFEnable_HwNm_f32	8.28299999		
k_T1T2SSLim_HwNm_f32	15.1199999		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-13.4635468	-13.4635468 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-13.4635468	-13.4635468 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-13.4635468	-13.4635468 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0.405897141	0.405897498 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0.405897141	0.405897498 ± 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	✓

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DigHwTrqSENT\_Per3

## Test Step 3.16 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-10		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.506399989		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-3.72300005		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	7.43599987		
DigHwTrqSENT_HwTrq_HwNm_M_f32	7.60900021		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	12.4090004		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.616699994		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-0.300000012		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-4.23479986		
k_T1T2CMCLPFEnable_HwNm_f32	17.2700005		
k_T1T2SSLim_HwNm_f32	16		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-7.08050251	-7.08050251 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-7.08050251	-7.08050251 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-7.08050251	-7.08050251 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	4.57135963	4.57135963 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	4.57135963	4.57135963 ± 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	0.537549973		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10.4879999		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-9.22000027		
DigHwTrqSENT_HwTrq_HwNm_M_f32	3.45930004		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-4.68499994		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-4.01999998		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.655700028		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-9.56099987		
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.204699993		
k_T1T2CMCLPFEnable_HwNm_f32	5.63000011		
k_T1T2SSLim_HwNm_f32	17.1200008		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	9.3590374	9.35903645 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	9.3590374	9.35903645 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	9.3590374	9.35903645 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-7.88219357	-7.88219309 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-7.88219357	-7.88219309 ± 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	✓

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DigHwTrqSENT\_Per3



## Test Step 3.18 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-20		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.568700016		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	4.70800018		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	14.5319996		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-1.07599998		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	19.4400005		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	8		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-6.03499985		
DigHwTrqSENT_TrqSum_HwNm_M_f32	16.9027004		
k_T1T2CMCLPFEnable_HwNm_f32	14.2469997		
k_T1T2SSLim_HwNm_f32	18		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	0.986566544	0.986565471 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	0.986566544	0.986565471 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	0.986566544	0.986565471 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	18.0039063	18.0039063 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	18.0039063	18.0039063 ± 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	0.599849999		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	2.59649992		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-11.382		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-6.07070017		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	15.7292004		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-4		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.998132586		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-18.1576996		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-13.0539999		
k_T1T2CMCLPFEnable_HwNm_f32	8.31999969		
k_T1T2SSLim_HwNm_f32	19.2299995		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-10.6314917	-10.6314917 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10.6314917	-10.6314917 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.6314917	-10.6314917 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-18.0944195	-18.0944176 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-18.0944195	-18.0944176 ± 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	✓

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## 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	0.630999982		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-1.06840003		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.7250004		
DigHwTrqSENT_HwTrq_HwNm_M_f32	0.405099988		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-17.6940002		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-20		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.578970015		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-0.219999999		
DigHwTrqSENT_TrqSum_HwNm_M_f32	13.842		
k_T1T2CMCLPFEnable_HwNm_f32	17.5200005		
k_T1T2SSLim_HwNm_f32	20		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	12.0553017	12.0553017 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	12.0553017	12.0553017 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	12.0553017	12.0553017 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-7.57707787	-7.57707834 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-7.57707787	-7.57707834 ± 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	0.662150025		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	6.61999989		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	0.752200007		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-10		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	18.9318008		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-14		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.118199997		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.5531998		
DigHwTrqSENT_TrqSum_HwNm_M_f32	6.76178503		
k_T1T2CMCLPFEnable_HwNm_f32	9.08930016		
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	6.61999989 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	0.752200007	0.752200007 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-0.48034358	-0.480343699 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-0.48034358	-0.480343699 ± 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	✓

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## 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	0.693300009		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	11.4069996		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	5.4053998		
DigHwTrqSENT_HwTrq_HwNm_M_f32	10		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-5.07520008		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-14		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.158899993		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	15.4459		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-10.8864002		
k_T1T2CMCLPFEnable_HwNm_f32	17.5550003		
k_T1T2SSLim_HwNm_f32	2		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-10.0011415	-10.0011415 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10.0011415	-10.0011415 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.0011415	-10.0011415 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0.768867731	0.76886797 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0.768867731	0.76886797 ± 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	0.724449992		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-17.3279991		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	4.87650013		
DigHwTrqSENT_HwTrq_HwNm_M_f32	1.04999995		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	1.51900005		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.199599996		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	4.13000011		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-18.0820007		
k_T1T2CMCLPFEnable_HwNm_f32	4.59439993		
k_T1T2SSLim_HwNm_f32	3.01999998		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-16.9572048	-16.9572048 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-16.9572048	-16.9572048 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-16.9572048	-16.9572048 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	2.04015565	2.04015565 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	2.04015565	2.04015565 ± 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	✓

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## 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	0.755599976		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-13.5530005		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-15.8909998		
DigHwTrqSENT_HwTrq_HwNm_M_f32	0		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	11.4514999		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-4		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.2403		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	10.9510002		
DigHwTrqSENT_TrqSum_HwNm_M_f32	17.3600006		
k_T1T2CMCLPFEnable_HwNm_f32	15.3529997		
k_T1T2SSLim_HwNm_f32	4.36000013		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	11.4064159	11.4064159 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	11.4064159	11.4064159 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	11.4064159	11.4064159 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	5.94678497	5.94678497 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	5.94678497	5.94678497 ± 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	0.786750019		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-15.8909998		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	18.6620007		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-3.11999989		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-17.8059998		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-16		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.280999988		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	18.0431995		
DigHwTrqSENT_TrqSum_HwNm_M_f32	0.119000003		
k_T1T2CMCLPFEnable_HwNm_f32	18.8810005		
k_T1T2SSLim_HwNm_f32	5		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-0.11962676	-0.119626753 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-0.11962676	-0.119626753 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-0.11962676	-0.119626753 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	1.47233009	1.47233057 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	1.47233009	1.47233057 ± 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	✓

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DigHwTrqSENT\_Per3

## Test Step 3.26 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	17		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.817900002		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-17.8899994		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-4.31239986		
DigHwTrqSENT_HwTrq_HwNm_M_f32	4.15199995		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	4.29078007		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-9		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.321700007		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-6.42799997		
DigHwTrqSENT_TrqSum_HwNm_M_f32	7.48699999		
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	-17.8899994 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-4.31239986	-4.31239986 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0.84254837	0.84254849 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0.84254837	0.84254849 ± 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	0.849049985		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	2.37269998		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-5.7579999		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-9.19789982		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-0.782999992		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	6		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.362399995		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	2.25999999		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-17.3010006		
k_T1T2CMCLPFEnable_HwNm_f32	20		
k_T1T2SSLim_HwNm_f32	7.51999998		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-17.5574646	-17.5574646 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-17.5574646	-17.5574646 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-17.5574646	-17.5574646 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	0.319783211	0.319783211 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0.319783211	0.319783211 ± 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	✓



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DigHwTrqSENT\_Per3

## Test Step 3.28 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	11		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.880200028		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	19.2423		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-18.3687		
DigHwTrqSENT_HwTrq_HwNm_M_f32	3.60369992		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-7.77519989		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	14		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.403100014		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-16.6916008		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-19.441		
k_T1T2CMCLPFEnable_HwNm_f32	3.21000004		
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	-11.369401 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-11.369401	-11.369401 ± 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	0.911350012		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-20		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	16.4950008		
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.88899994		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	5.53000021		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	0		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.443800002		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	6.00899982		
DigHwTrqSENT_TrqSum_HwNm_M_f32	19.1893997		
k_T1T2CMCLPFEnable_HwNm_f32	18.2980003		
k_T1T2SSLim_HwNm_f32	9.35999966		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	15.9812088	15.9812098 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	15.9812088	15.9812098 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	15.9812088	15.9812098 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	5.74258041	5.74258041 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	5.74258041	5.74258041 ± 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	✓

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## 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	0.942499995		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	0.235713005		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-2.85100007		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	6.55999994		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-13		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.484499991		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-3.18799996		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-11.3929996		
k_T1T2CMCLPFEnable_HwNm_f32	10.9787998		
k_T1T2SSLim_HwNm_f32	10		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-10.4504023	-10.4504023 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10.4504023	-10.4504023 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.4504023	-10.4504023 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	1.83709383	1.83709395 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	1.83709383	1.83709395 ± 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	0.973649979		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	8.14999962		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-3.29738998		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-7.53779984		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-9.1843996		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	16		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.525200009		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	19.3773003		
DigHwTrqSENT_TrqSum_HwNm_M_f32	16.6100006		
k_T1T2CMCLPFEnable_HwNm_f32	13.6689997		
k_T1T2SSLim_HwNm_f32	11.3199997		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	16.3831272	16.3831272 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	16.3831272	16.3831272 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	16.3831272	16.3831272 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	5.81620502	5.81620502 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	5.81620502	5.81620502 ± 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	✓

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DigHwTrqSENT\_Per3



## Test Step 3.32 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	11		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.118000001		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	0		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	18.1800404		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-1.06369996		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-8.54599953		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-5		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.565900028		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-15.3000002		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-1.73109996		
k_T1T2CMCLPFEnable_HwNm_f32	9.59000015		
k_T1T2SSLim_HwNm_f32	12		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	9.49773026	9.49773026 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	9.49773026	9.49773026 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	9.49773026	9.49773026 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-12.3680887	-12.3680887 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-12.3680887	-12.3680887 ± 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	0.166999996		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-16.2000008		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-9.69909954		
DigHwTrqSENT_HwTrq_HwNm_M_f32	6.20300007		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	14.0218		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-7		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.606599987		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	17.8610001		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-13.0319996		
k_T1T2CMCLPFEnable_HwNm_f32	3.28699994		
k_T1T2SSLim_HwNm_f32	13.6999998		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-4	-4 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-16.2000008	-16.2000008 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-9.69909954	-9.69909954 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	16.2255993	16.2255993 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	16.2255993	16.2255993 ± 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	✓

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## 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	0.216000006		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	14.8410997		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-20		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-2.47900009		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	13.8079996		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	11		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.647300005		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	5.42799997		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-8.21000004		
k_T1T2CMCLPFEnable_HwNm_f32	13.5039997		
k_T1T2SSLim_HwNm_f32	14		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	6.8506403	6.85063982 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	6.8506403	6.85063982 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	6.8506403	6.85063982 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	8.38362598	8.38362598 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	8.38362598	8.38362598 ± 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	0.264999986		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-17.1889992		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	20		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-1.34800005		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	4.15500021		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-12		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.688000023		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-5.74300003		
DigHwTrqSENT_TrqSum_HwNm_M_f32	10.7539997		
k_T1T2CMCLPFEnable_HwNm_f32	12.8649998		
k_T1T2SSLim_HwNm_f32	15.1199999		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-6.70519018	-6.70519018 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-6.70519018	-6.70519018 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-6.70519018	-6.70519018 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-2.65482473	-2.65482402 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-2.65482473	-2.65482402 ± 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	✓

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## 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	0.31400001		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-14.5410004		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	12.2200003		
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.69899988		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-2		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.728699982		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-13.8809004		
DigHwTrqSENT_TrqSum_HwNm_M_f32	15.0080795		
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	17.0605373 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	17.0605373	17.0605373 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	17.0605373	17.0605373 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-5.77315331	-5.77315187 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-5.77315331	-5.77315187 ± 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	0.363000005		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	19.5330009		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	0		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-0.831700027		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	17.3400002		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-11		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.769400001		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-0.320800006		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-9.50730038		
k_T1T2CMCLPFEnable_HwNm_f32	7.71280003		
k_T1T2SSLim_HwNm_f32	17.3199997		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-7.91015005	-7.91015005 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-7.91015005	-7.91015005 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-7.91015005	-7.91015005 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	3.74806881	3.74806929 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	3.74806881	3.74806929 ± 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	✓

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## 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	14.1904001		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-16.9099998		
DigHwTrqSENT_HwTrq_HwNm_M_f32	5.11639977		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-10.698		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	16		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.810100019		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-11.0042		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-5.76100016		
k_T1T2CMCLPFEnable_HwNm_f32	1.11528003		
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	14.1904001 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-16.9099998	-16.9099998 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-10.9460526	-10.9460526 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-10.9460526	-10.9460526 ± 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	0.460999995		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	13.7600002		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-4.55899		
DigHwTrqSENT_HwTrq_HwNm_M_f32	0.641499996		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	8.48999977		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	5		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.850799978		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-20		
k_T1T2CMCLPFEnable_HwNm_f32	10.6219997		
k_T1T2SSLim_HwNm_f32	19		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-13.5319996	-13.5319996 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-13.5319996	-13.5319996 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-13.5319996	-13.5319996 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	18.2827072	18.2827072 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	18.2827072	18.2827072 ± 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	✓

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## 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	0.50999999		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-13.9701996		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-6.35500002		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-5		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.891499996		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-14.6520004		
DigHwTrqSENT_TrqSum_HwNm_M_f32	20		
k_T1T2CMCLPFEnable_HwNm_f32	10.6219997		
k_T1T2SSLim_HwNm_f32	17.5		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	13.1399994	13.1400003 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	13.1399994	13.1400003 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	13.1399994	13.1400003 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-11.163084	-11.163084 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-11.163084	-11.163084 ± 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	0.559000015		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10.1949997		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	10.0559998		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-4.16078997		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-9.99800014		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-5		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.932200015		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-18.8155994		
DigHwTrqSENT_TrqSum_HwNm_M_f32	1.22000003		
k_T1T2CMCLPFEnable_HwNm_f32	7.87389994		
k_T1T2SSLim_HwNm_f32	1		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-5.49201965	-5.49202013 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-5.49201965	-5.49202013 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-5.49201965	-5.49202013 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-17.6079674	-17.6079674 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-17.6079674	-17.6079674 ± 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	✓

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## 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	0.60799998		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	7.17442989		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.9659996		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-8.16699982		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	1.88		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	15		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.972899973		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-5.82999992		
DigHwTrqSENT_TrqSum_HwNm_M_f32	0		
k_T1T2CMCLPFEnable_HwNm_f32	9.47602844		
k_T1T2SSLim_HwNm_f32	2		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	6.27200031	6.27199984 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	6.27200031	6.27199984 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	6.27200031	6.27199984 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-5.62105894	-5.62105894 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-5.62105894	-5.62105894 ± 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	0.657000005		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	5.6704998		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-11.3799		
DigHwTrqSENT_HwTrq_HwNm_M_f32	10		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-15.6300001		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	4		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.117600001		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	2.454		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-15.25		
k_T1T2CMCLPFEnable_HwNm_f32	10.6219997		
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	-2.36205649 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-2.36205649	-2.36205649 ± 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	✓



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## 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	0.70599997		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	19.7989998		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-6.75017977		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-4.04470015		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	18		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.136999995		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	17.8411007		
DigHwTrqSENT_TrqSum_HwNm_M_f32	18.7099991		
k_T1T2CMCLPFEnable_HwNm_f32	20		
k_T1T2SSLim_HwNm_f32	4.01999998		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	7.32925797	7.32925987 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	7.32925797	7.32925987 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	7.32925797	7.32925987 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	5.91686153	5.91686201 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	5.91686153	5.91686201 ± 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	0.754999995		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-2.74900007		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-2.6243999		
DigHwTrqSENT_HwTrq_HwNm_M_f32	2.98009992		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	7.72300005		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	1		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.156399995		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	2.06808996		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-9.39999962		
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	-2.19700003 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-2.1970005	-2.19700003 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-2.1970005	-2.19700003 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	4.54474449	4.54474449 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	4.54474449	4.54474449 ± 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	✓

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DigHwTrqSENT\_Per3

## Test Step 3.46 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	14.25		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.80400002		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-17.6749992		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	10.3900003		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-3.56069994		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-19.3500004		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-7		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.175799996		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-3.33669996		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-19.2700005		
k_T1T2CMCLPFEnable_HwNm_f32	13.6503		
k_T1T2SSLim_HwNm_f32	6.03599977		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-12.7000809	-12.7000799 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-12.7000809	-12.7000799 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-12.7000809	-12.7000799 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-5.56468248	-5.56468248 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-5.56468248	-5.56468248 ± 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	0.852999985		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	16.0079994		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-15.1440001		
DigHwTrqSENT_HwTrq_HwNm_M_f32	7.88999987		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	3.57999992		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	15		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.195199996		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	14.7370005		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-6.78980017		
k_T1T2CMCLPFEnable_HwNm_f32	12.8940001		
k_T1T2SSLim_HwNm_f32	7		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-5.79169941	-5.79169941 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-5.79169941	-5.79169941 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-5.79169941	-5.79169941 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	5.75784636	5.75784636 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	5.75784636	5.75784636 ± 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	✓

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DigHwTrqSENT\_Per3



## Test Step 3.48 (Repeat Count = 1)

Name	Input Value		
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-1.12		
DigHwTrqSENT_CMCFiltKSV_M_str.K_Uls_f32	0.90200001		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-13.3199997		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-2.13400006		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-3.30159998		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-15.8900003		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-10		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.214599997		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	13.875		
DigHwTrqSENT_TrqSum_HwNm_M_f32	4.60879993		
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	4.04737759 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	4.04737759	4.04737759 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	4.04737759	4.04737759 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-3.50504303	-3.50504303 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-3.50504303	-3.50504303 ± 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	-9.78600025		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	13.8000002		
DigHwTrqSENT_HwTrq_HwNm_M_f32	6.70300007		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-15.7700005		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-10		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.233999997		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	7.56949997		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-4.46500015		
k_T1T2CMCLPFEnable_HwNm_f32	15.0500002		
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	-5.12572908 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-5.12572956	-5.12572908 ± 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	✓

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## 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	0.998132586		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	4.92600012		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	3.50519991		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-6.33699989		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	12.7539997		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-13		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.253399998		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	9.59700012		
DigHwTrqSENT_TrqSum_HwNm_M_f32	6.32800007		
k_T1T2CMCLPFEnable_HwNm_f32	15.0500002		
k_T1T2SSLim_HwNm_f32	10.2399998		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	6.33298969	6.33298969 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	6.33298969	6.33298969 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	6.33298969	6.33298969 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	10.0799799	10.0799799 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	10.0799799	10.0799799 ± 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	0.637849987		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-5.02099991		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	11.5200005		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-3.69000006		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-8.33600044		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-6		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.272799999		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	20		
DigHwTrqSENT_TrqSum_HwNm_M_f32	10.4209995		
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	2.30123496 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	2.30123425	2.30123496 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	2.30123425	2.30123496 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-0.605939388	-0.605939209 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-0.605939388	-0.605939209 ± 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	✓

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## 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	0.599849999		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	2.59649992		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-11.382		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-6.07070017		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-20		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-4		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.998132586		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-20		
DigHwTrqSENT_TrqSum_HwNm_M_f32	-13.0539999		
k_T1T2CMCLPFEnable_HwNm_f32	8.31999969		
k_T1T2SSLim_HwNm_f32	0		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-10.6314917	-10.6314917 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-10.6314917	-10.6314917 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-10.6314917	-10.6314917 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-19.9626598	-19.9626579 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-19.9626598	-19.9626579 ± 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	0.226050004		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-14.5		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-2.6400001		
DigHwTrqSENT_HwTrq_HwNm_M_f32	-2.51999998		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-2		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	12		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.265700012		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	-8.80930042		
DigHwTrqSENT_TrqSum_HwNm_M_f32	2.28999996		
k_T1T2CMCLPFEnable_HwNm_f32	18.4503994		
k_T1T2SSLim_HwNm_f32	20		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	-4.12604523	-4.1260457 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	-4.12604523	-4.1260457 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-4.12604523	-4.1260457 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	-3.80923128	-3.80923104 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	-3.80923128	-3.80923104 ± 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	✓

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## 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	0.163749993		
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	3.74070001		
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-7.04899979		
DigHwTrqSENT_HwTrq_HwNm_M_f32	8.81499958		
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	1		
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	1		
DigHwTrqSENT_SSFiltKSV_M_str.K_Uls_f32	0.187700003		
DigHwTrqSENT_TDiagFiltOut_HwNm_M_f32	15.7743998		
DigHwTrqSENT_TrqSum_HwNm_M_f32	12.5229998		
k_T1T2CMCLPFEnable_HwNm_f32	6.55009985		
k_T1T2SSLim_HwNm_f32	10.3000002		
Name	Actual Value	Expected Value	Result
DigHwTrqSENT_CMCFiltKSV_M_str.SV_Uls_f32	20	20 ± 0.000976	✔
DigHwTrqSENT_CMCFiltOut_HwNm_M_f32	3.74070001	3.74070001 ± 0.000976	✔
DigHwTrqSENT_CMCFiltSV_HwNm_M_f32	-7.04899979	-7.04899979 ± 0.000976	✔
DigHwTrqSENT_SSdiagFiltOut_HwNm_M_f32	3.77315497	3.77315497 ± 0.000976	✔
DigHwTrqSENT_SSFiltKSV_M_str.SV_Uls_f32	3.77315497	3.77315497 ± 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 DETAILS REPORT

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TrimNotPerfDiag



Project	CBD_DigHwTrqSENT
Module	DigHwTrqSENT_FLTINJ
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_ON -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include\TMS570_HerculesRegs -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_DIGHWTRQSENT_FAULTINJECTIONPOINT=STD_ON -I\$(PROJECTROOT)\DigHwTrqSENT\utp\contract -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\StdDef\include\TMS570_HerculesRegs -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'DigHwTrqSENT_FLTINJ'	*****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: 8/25/2014 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

# TEST DETAILS REPORT

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TrimNotPerfDiag



Attributes	
Name	Value
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 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

<b>Specification</b>	Performance Metrics: (With "None" instrumentation and WithPS Environment)  CPU Cycles:  TS1.1 1459.00 Cycles TS1.2 1209.00 Cycles
<b>Description</b>	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	✓

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## 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	✓

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## Test Step 2.4 (Repeat Count = 1)

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

## 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	✓